

Fig. 1A

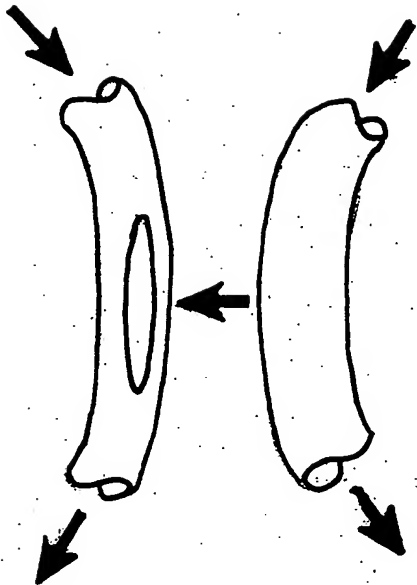


Fig. 1B

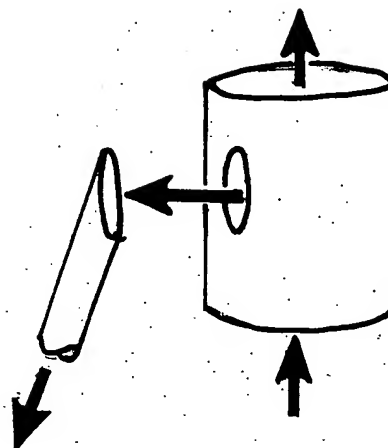


Fig. 1C

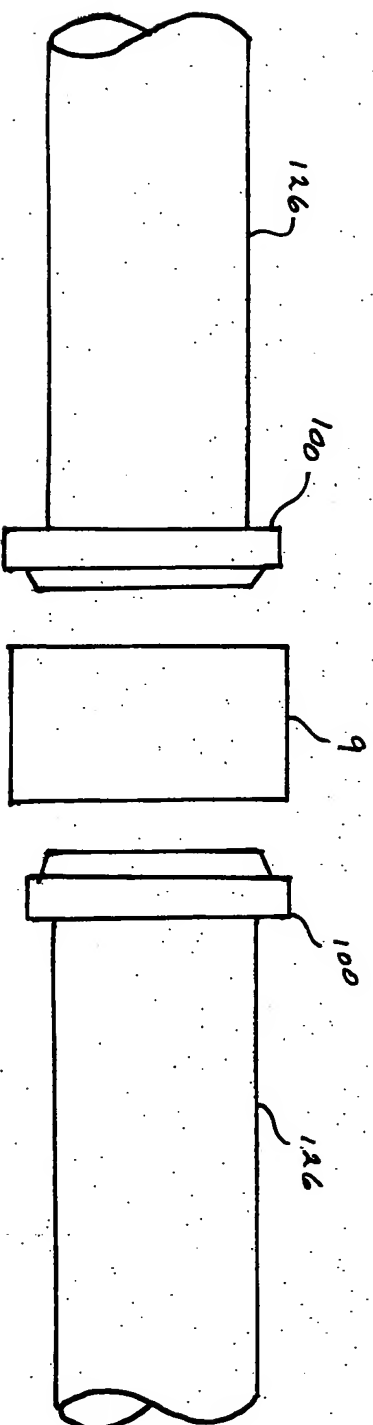


Fig. 2.

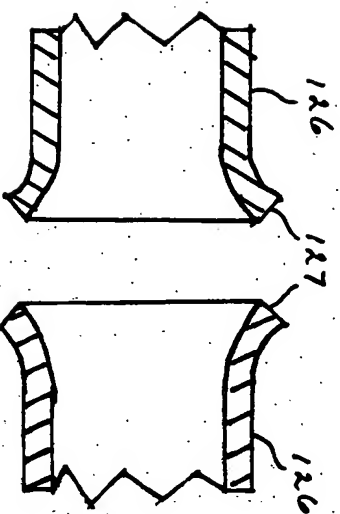


Fig. 3A

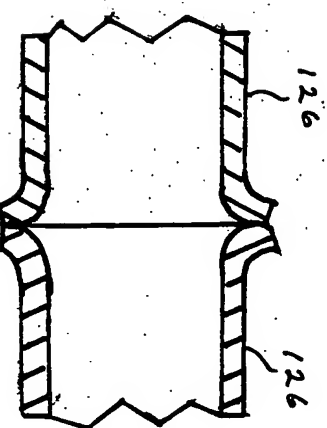


Fig. 3B

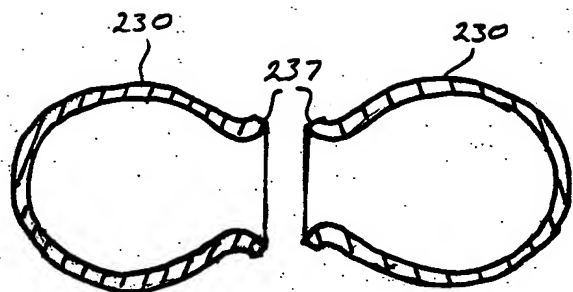


Fig. 4A

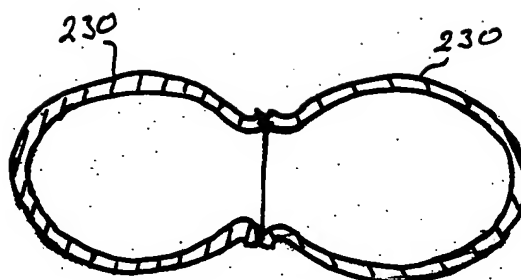


Fig. 4B

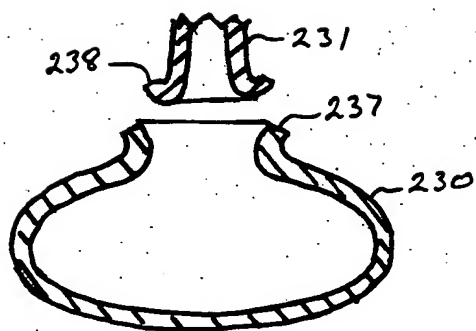


Fig. 5A

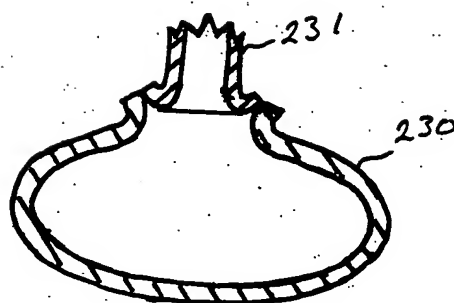


Fig. 5B

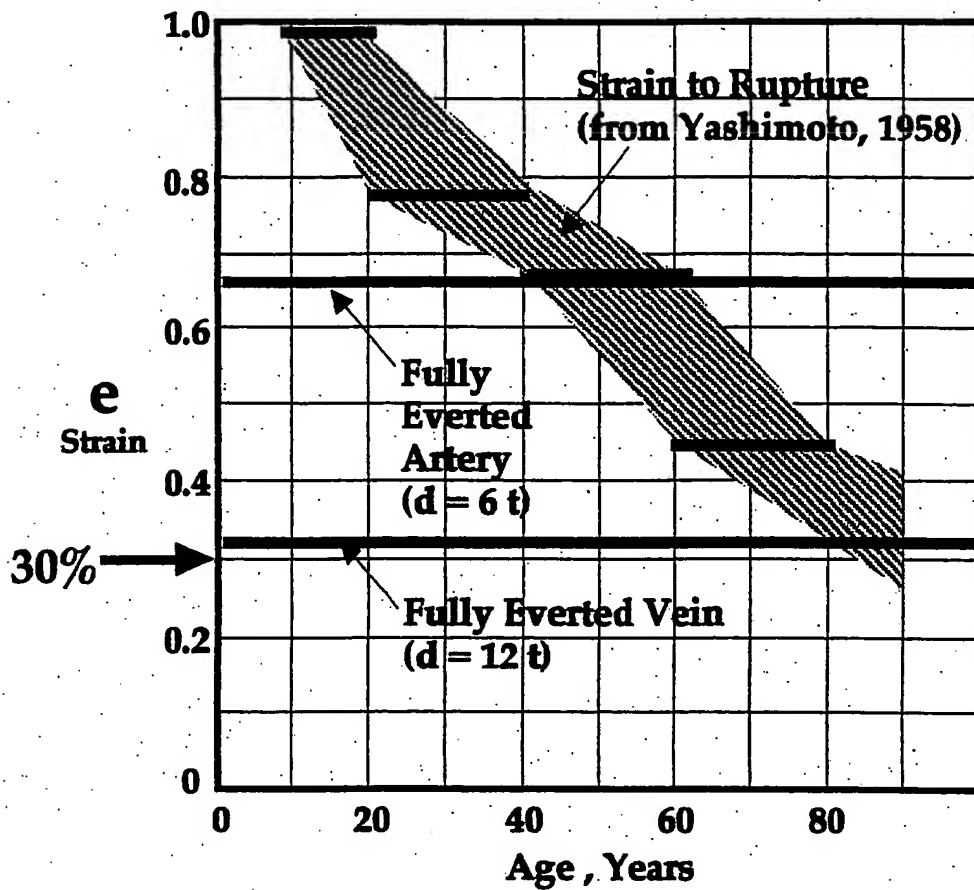
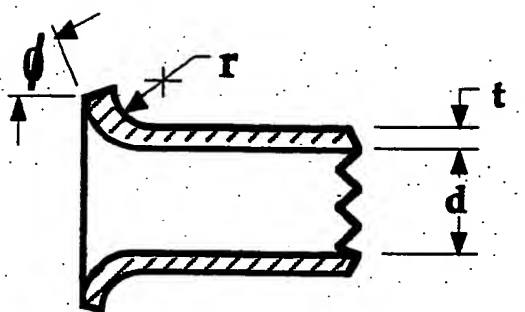
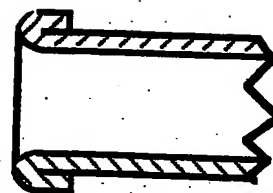


Fig. 6A



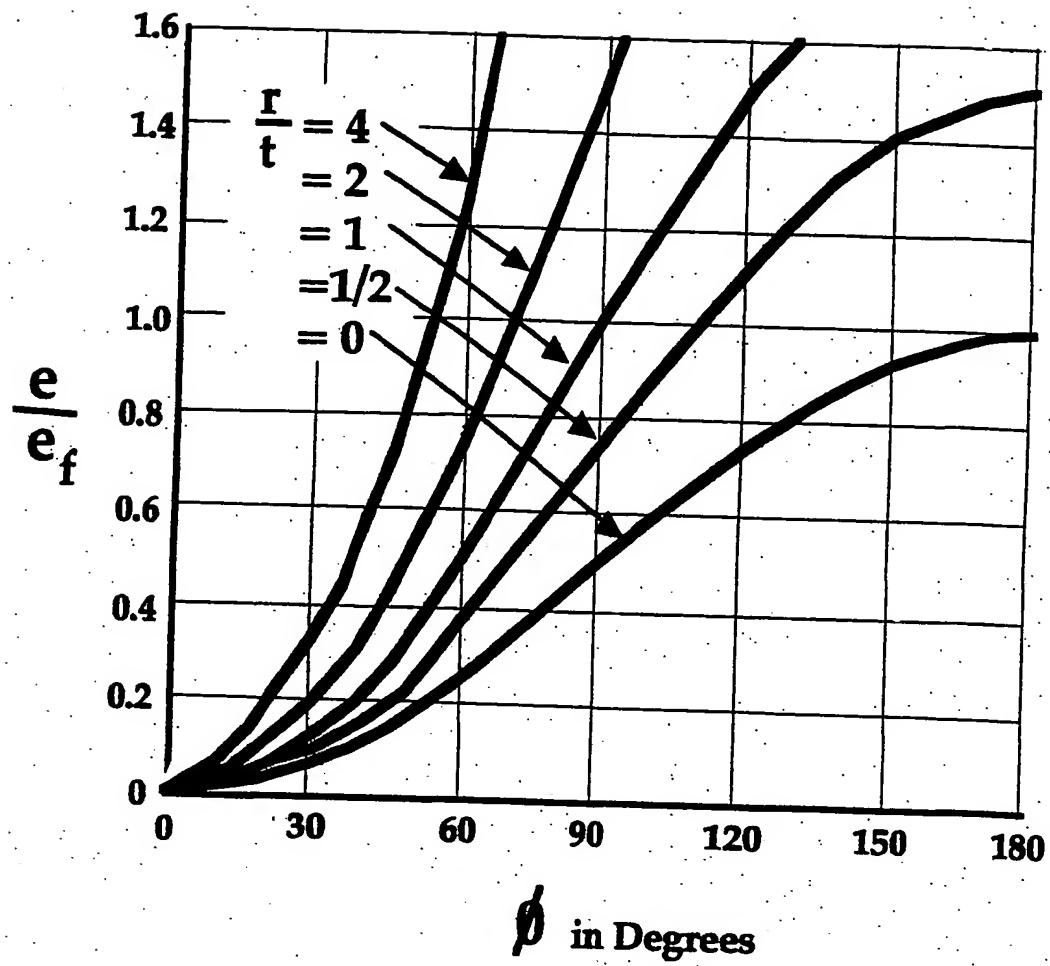
Partially Everted Blood Vessel



Fully Everted Blood Vessel  
( $\theta = 180^\circ$ ,  $r = 0$ )

Fig. 6B

Fig. 6C



**$e$  = Strain or Elongation**

**$e_f$  = Strain in Fully Everted Blood Vessel**

Fig. 7

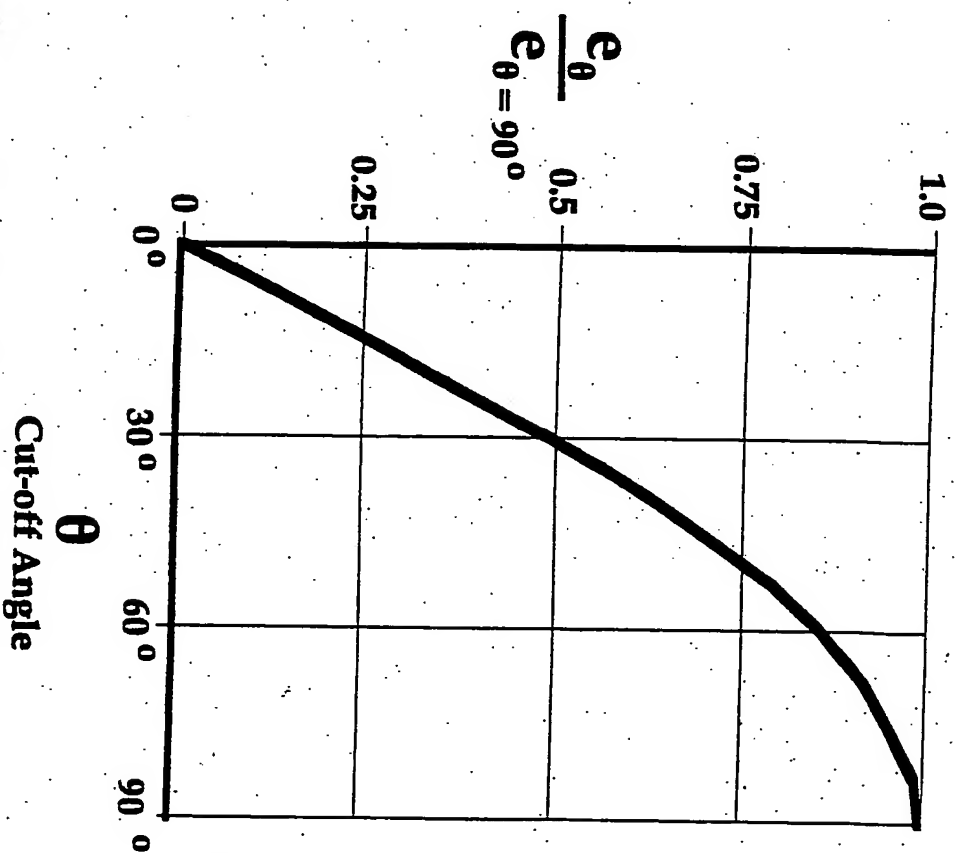
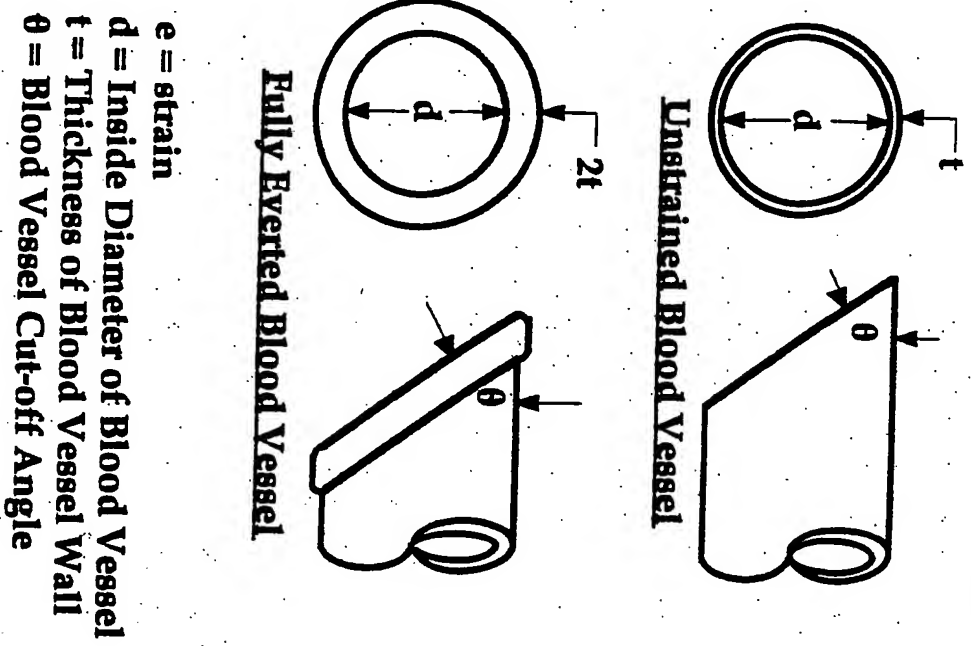
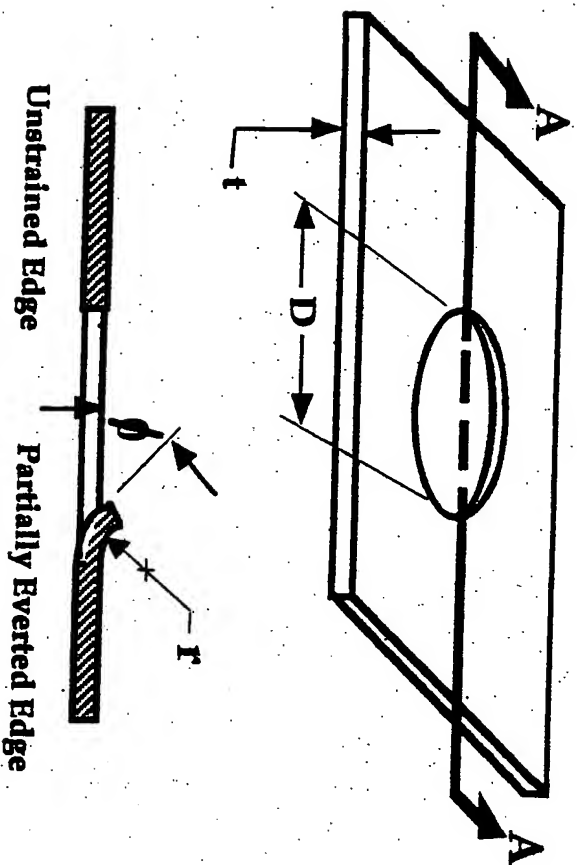


Fig. 8



Section A-A

$D$  = Diameter of Hole  
 $t$  = Thickness of Planar Surface  
 $\phi$  = Angle of Partially Everted Edge  
 $r$  = Eversion Radius of Curvature

Fig. 9A

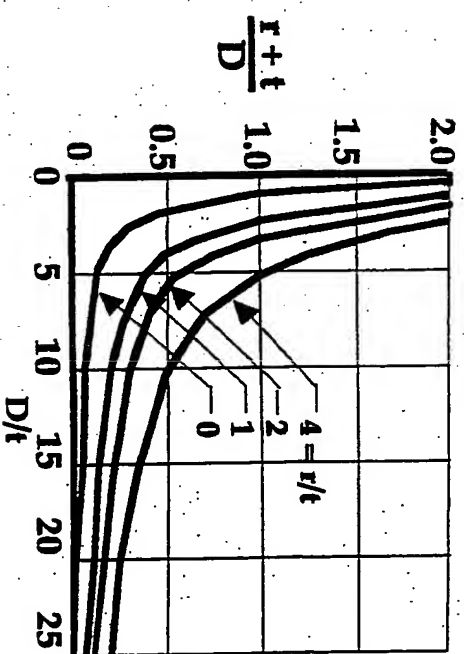


Fig. 9B

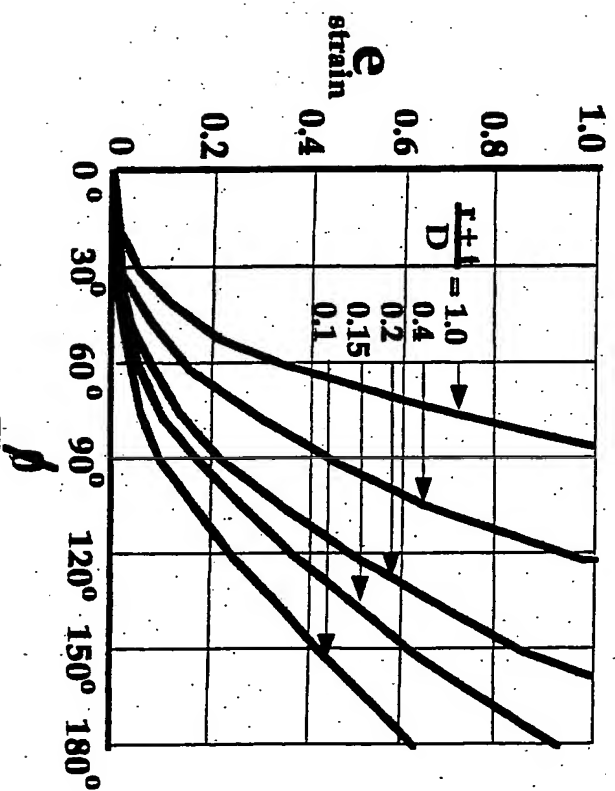


Fig. 9C

Fig. 10A

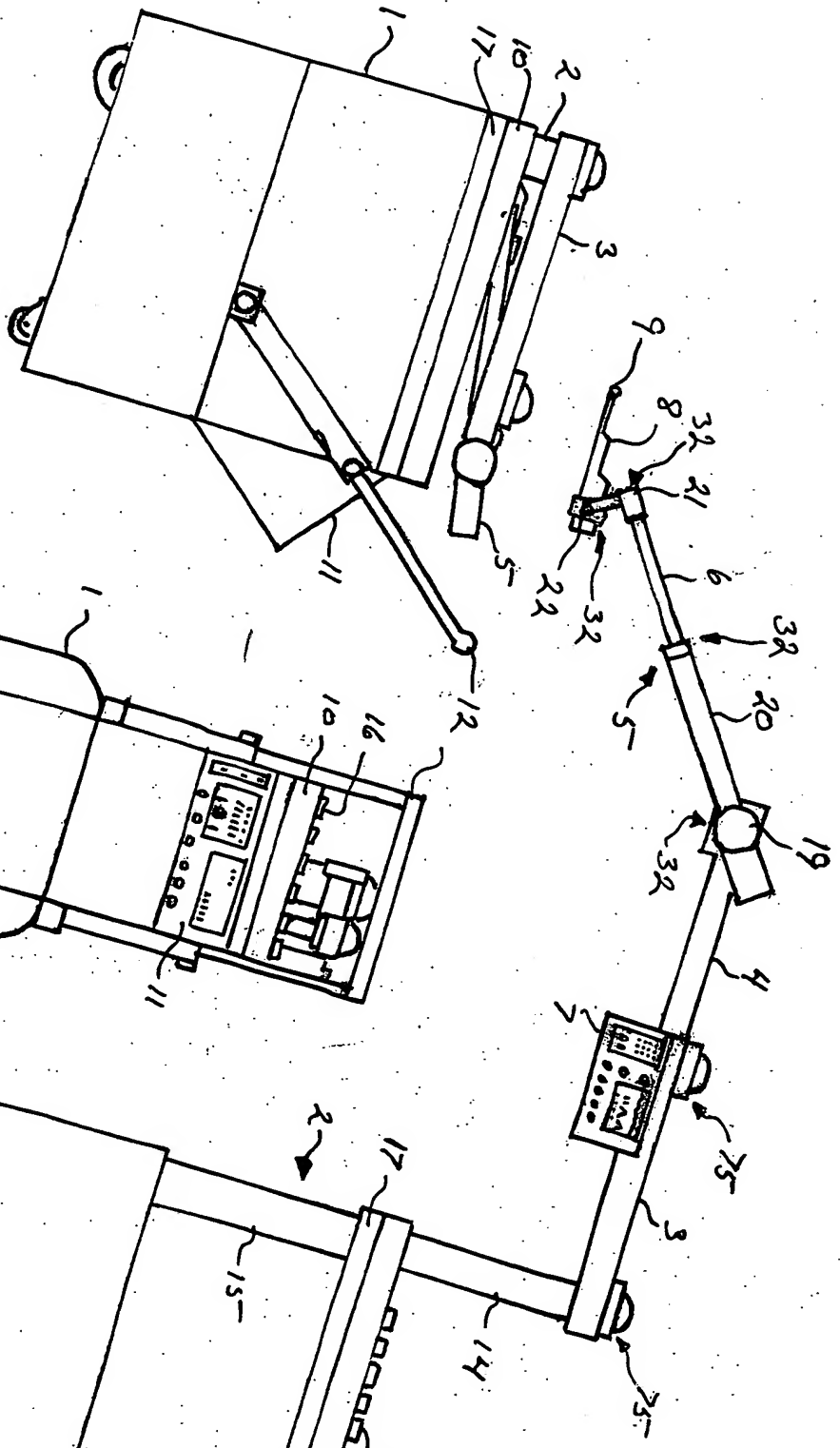


Fig. 10B

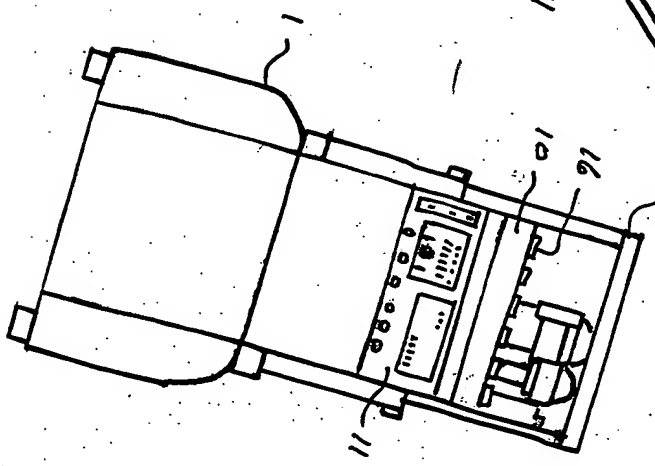
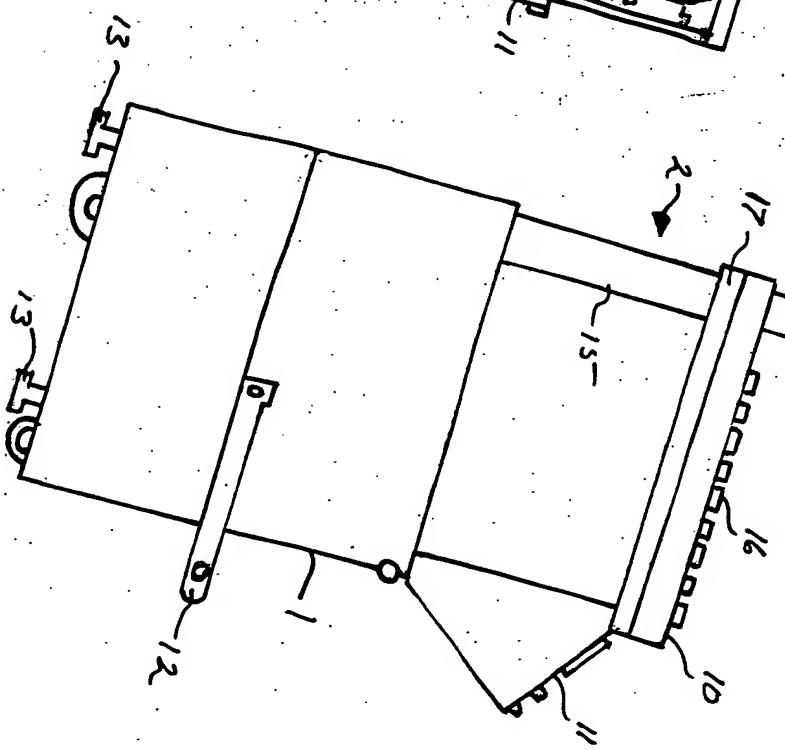


Fig. 10C







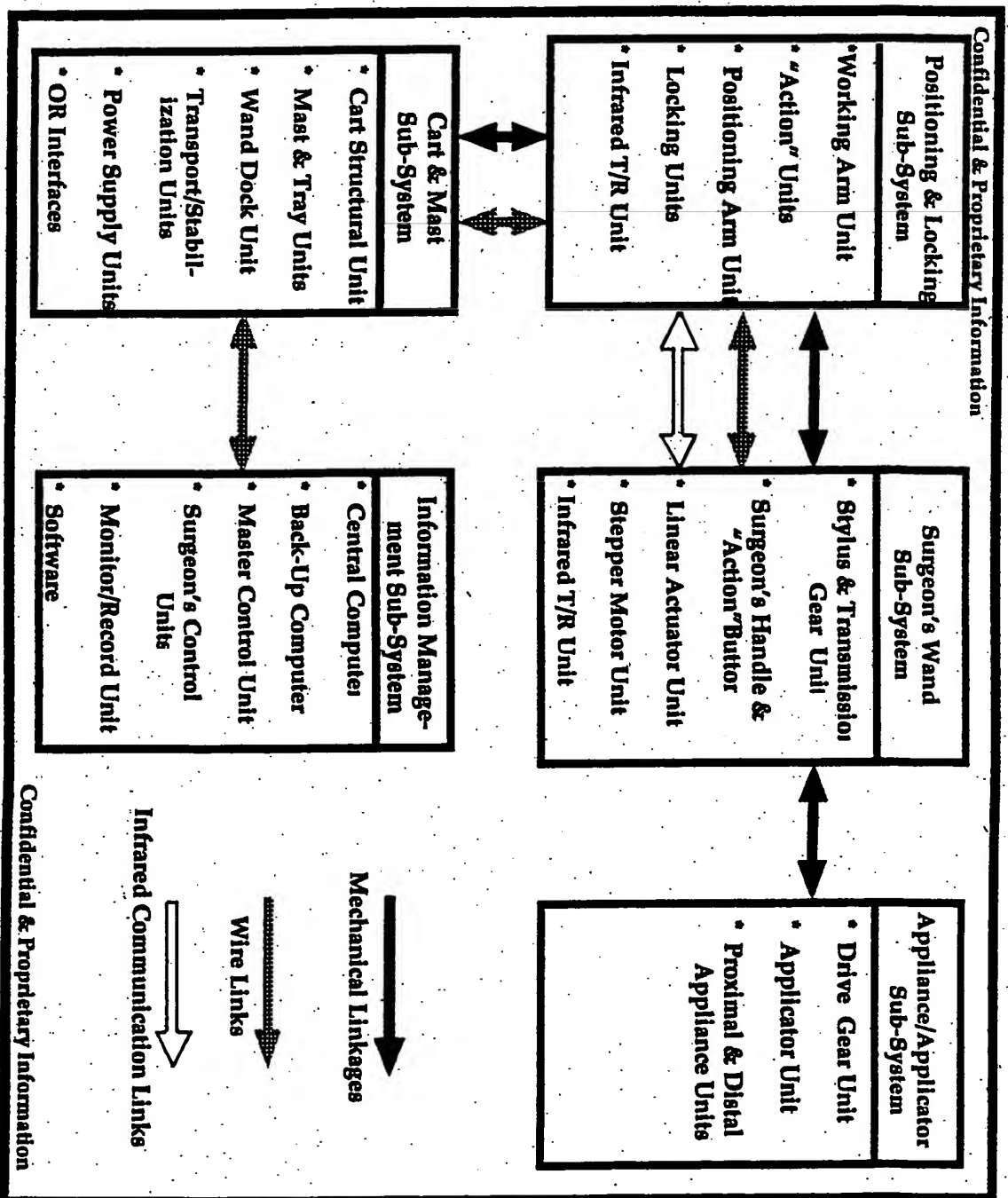


Fig. 11

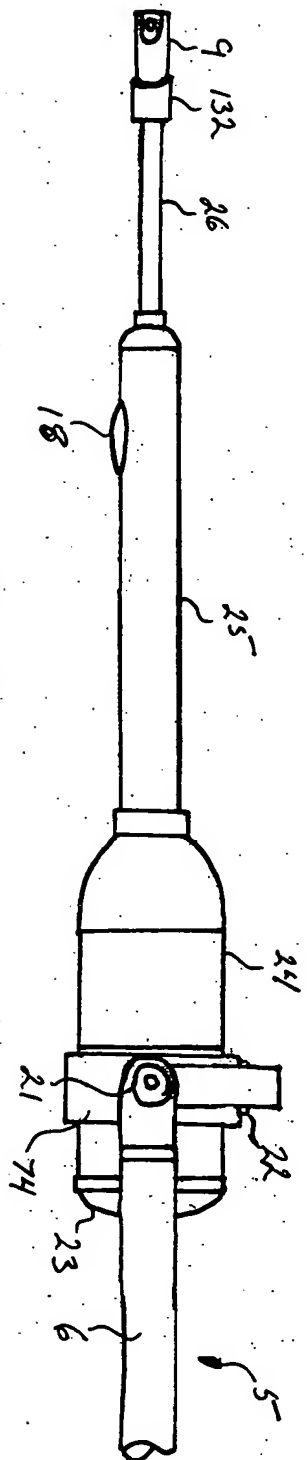


Fig. 12

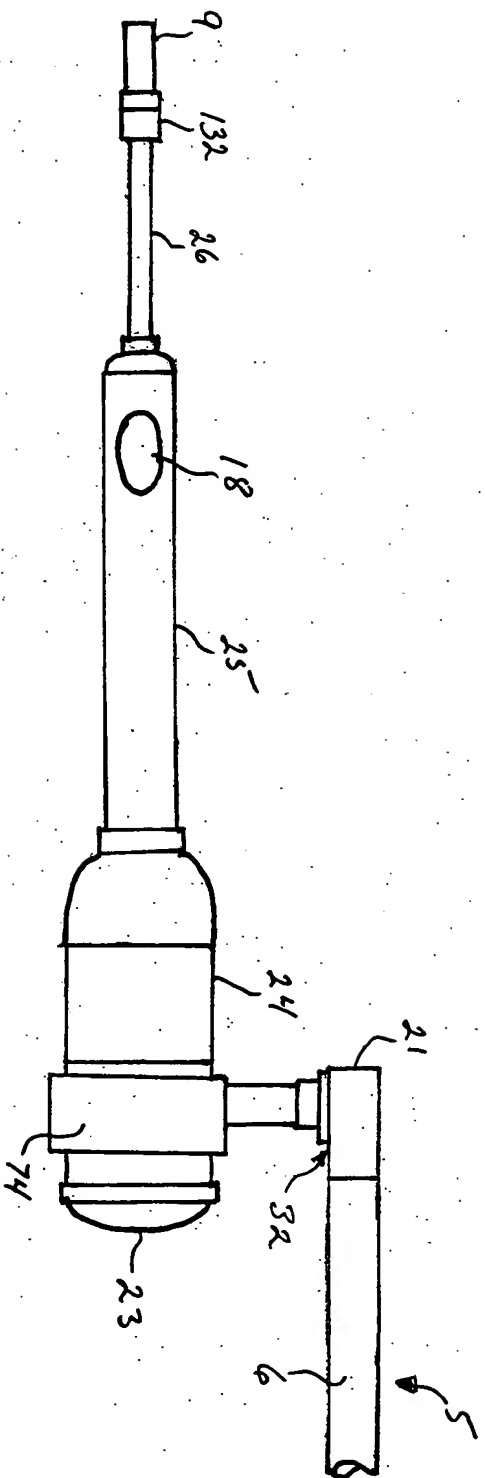


Fig. 13

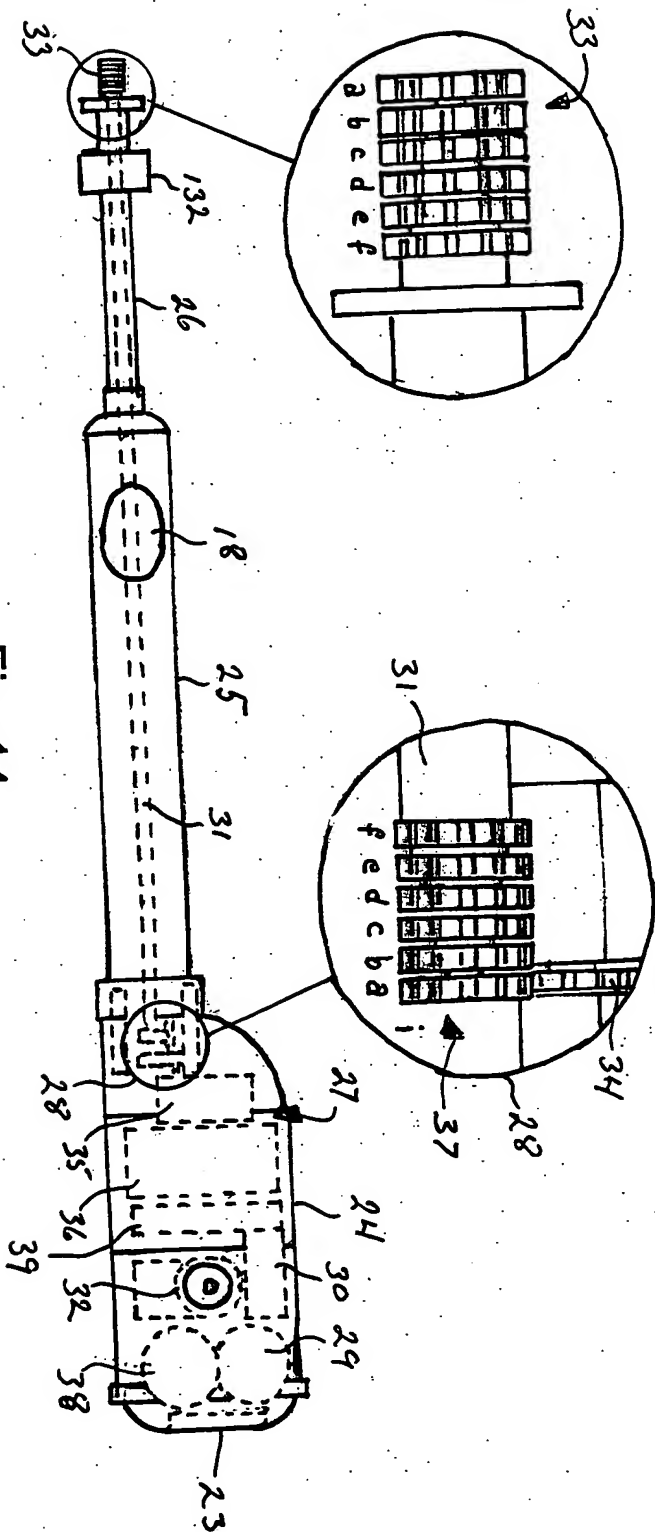


Fig. 14

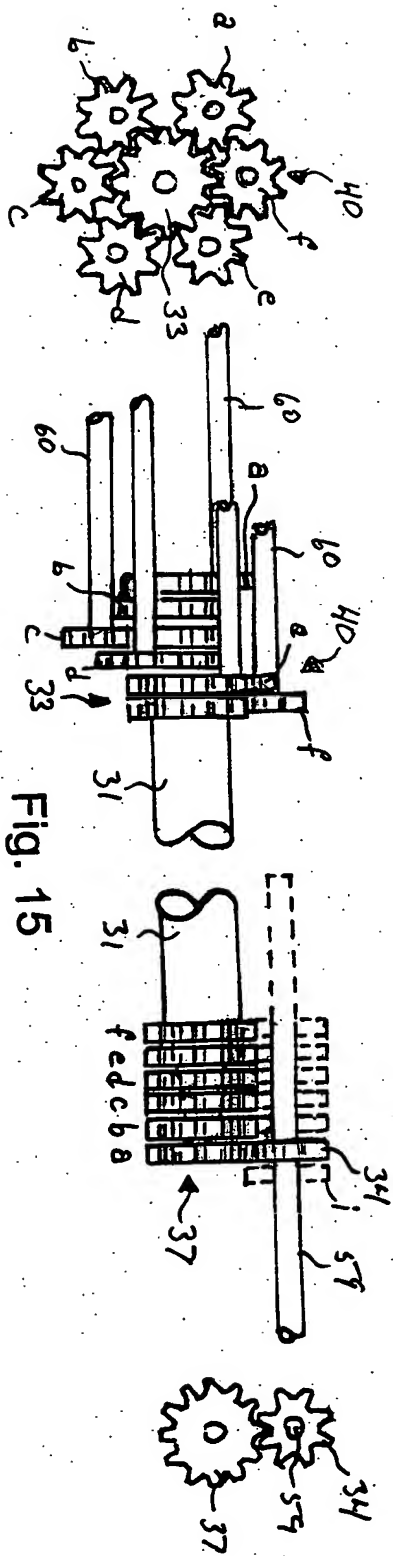


Fig. 15

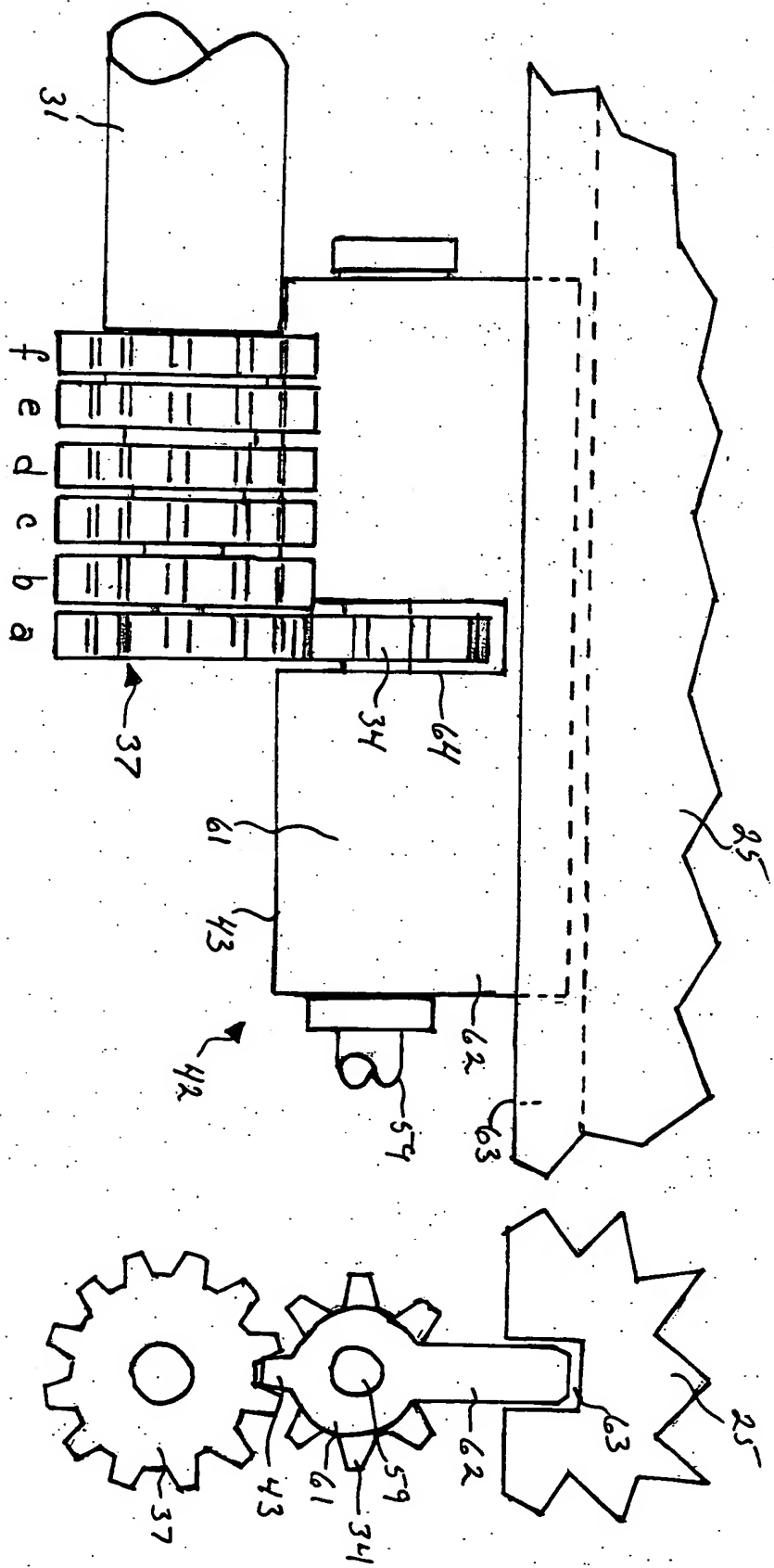


Fig. 16

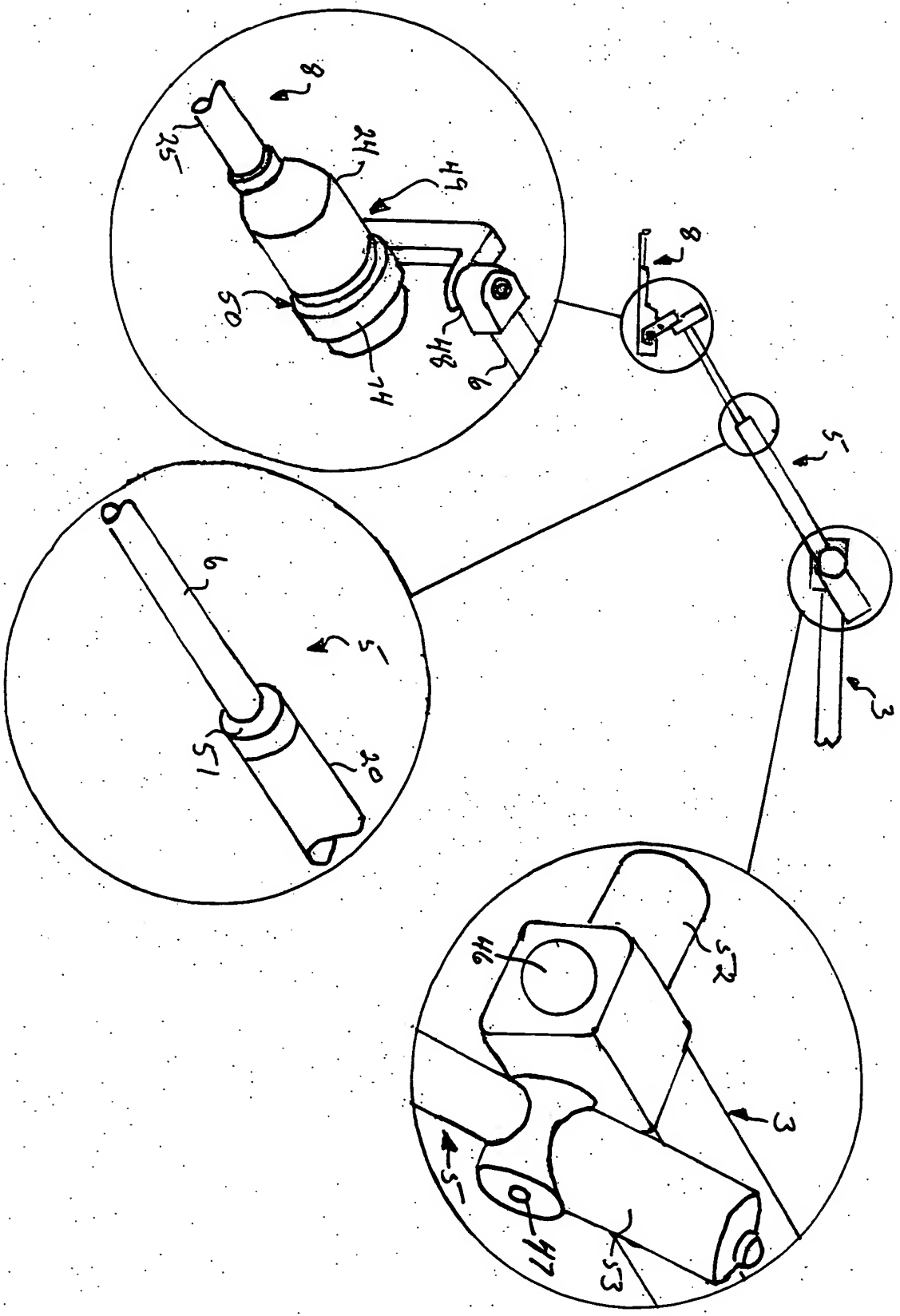


Fig. 18

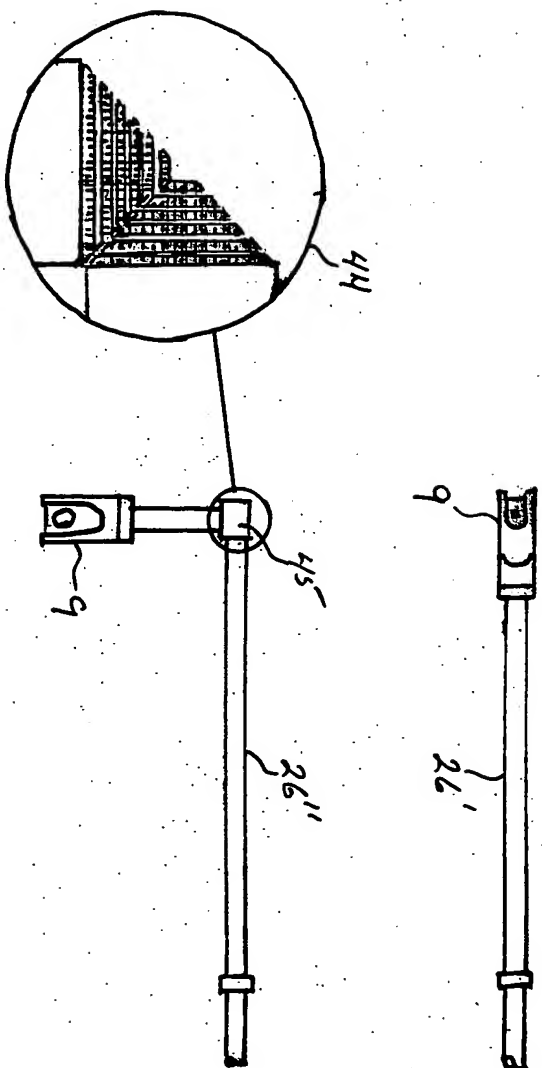


Fig. 17

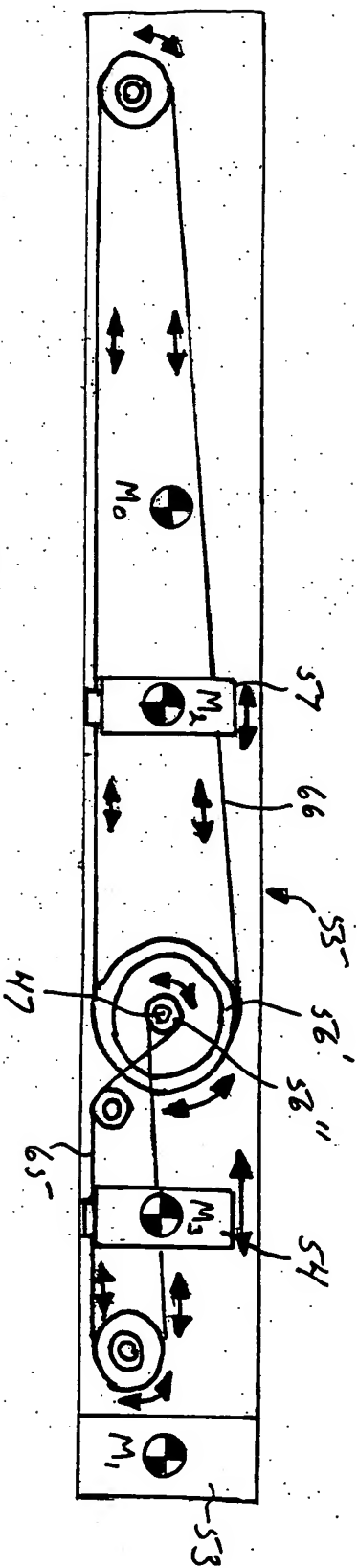


Fig. 19

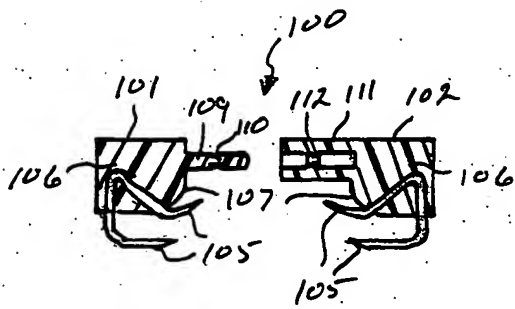


Fig. 21A

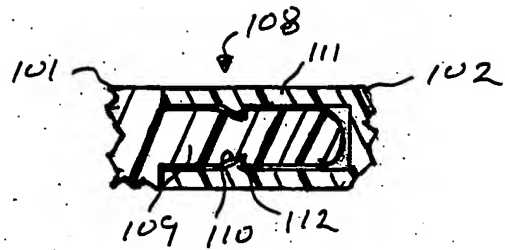


Fig. 21B

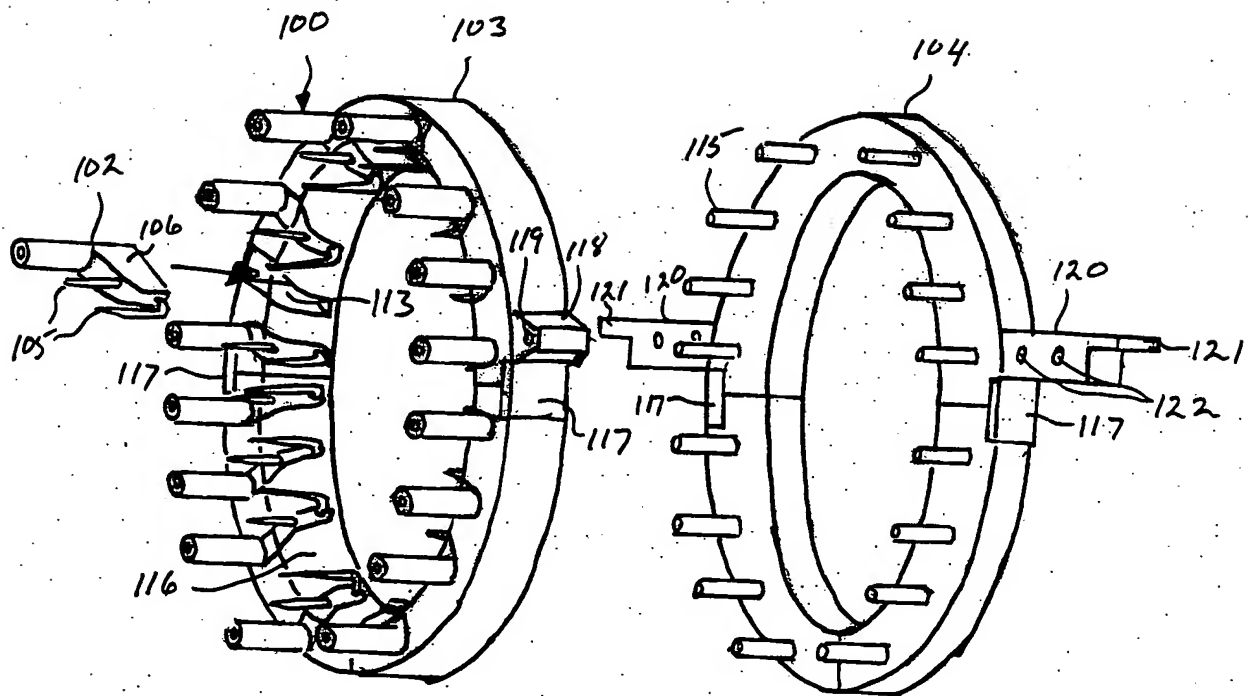


Fig. 21C



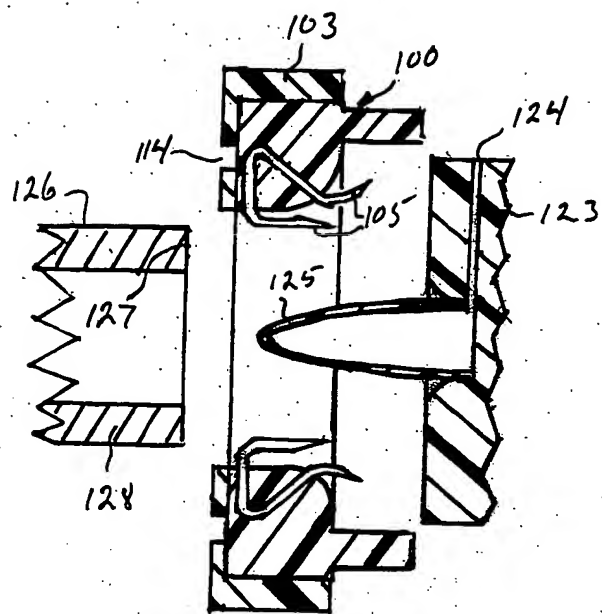


Fig. 22A

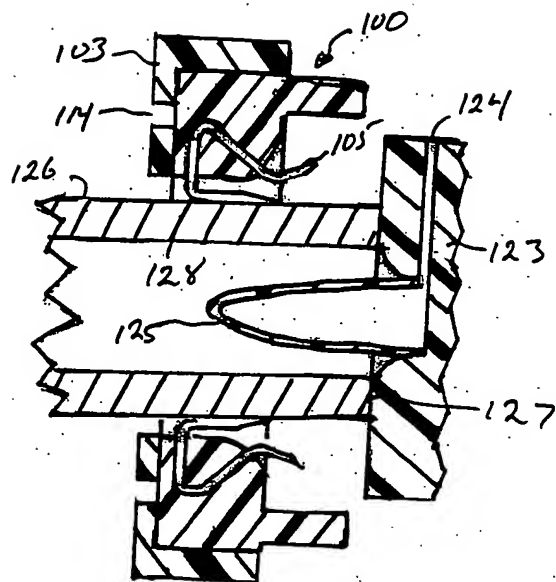


Fig. 22B

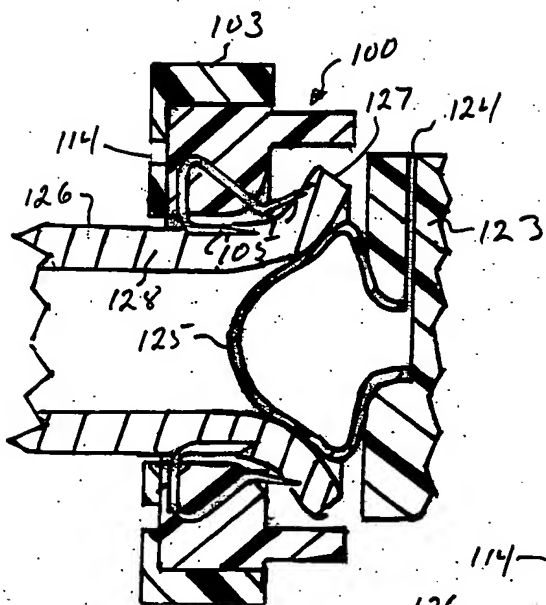


Fig. 22C

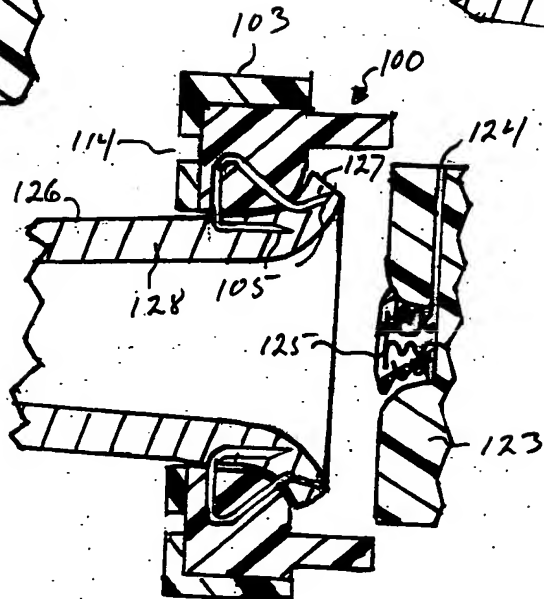


Fig. 22E

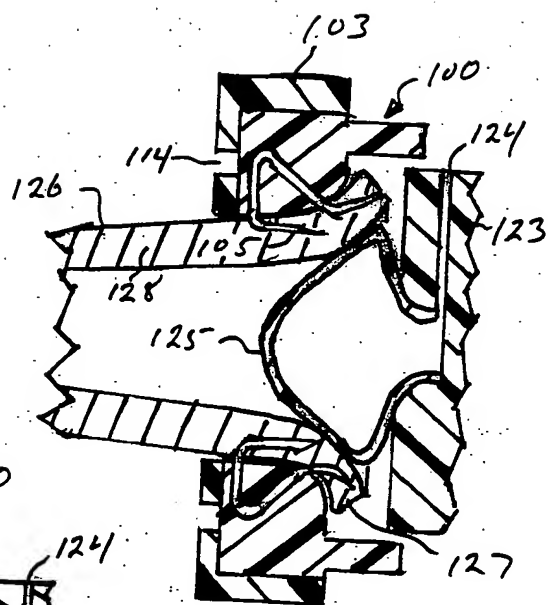


Fig. 22D

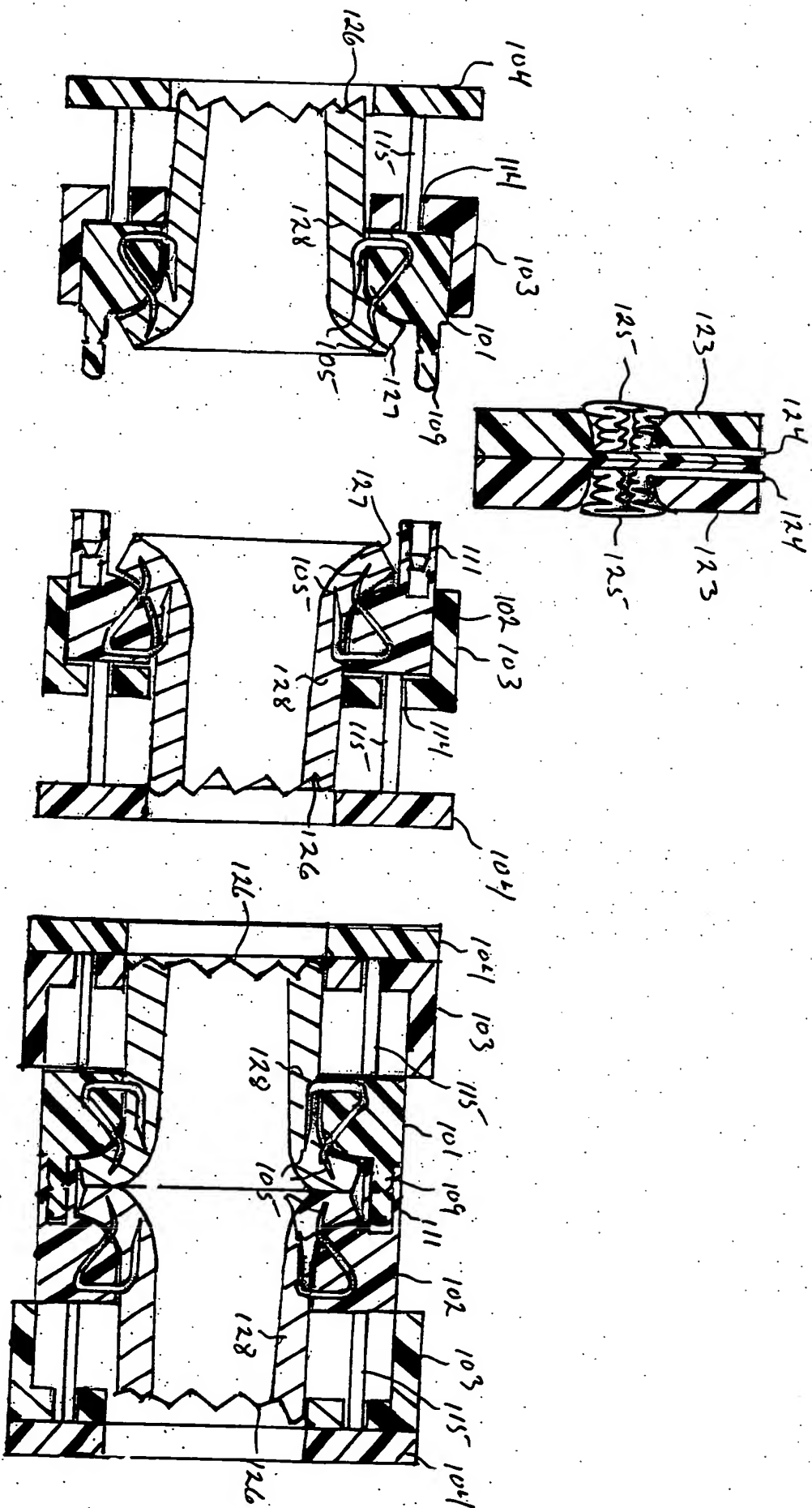


Fig. 23A

Fig. 23B

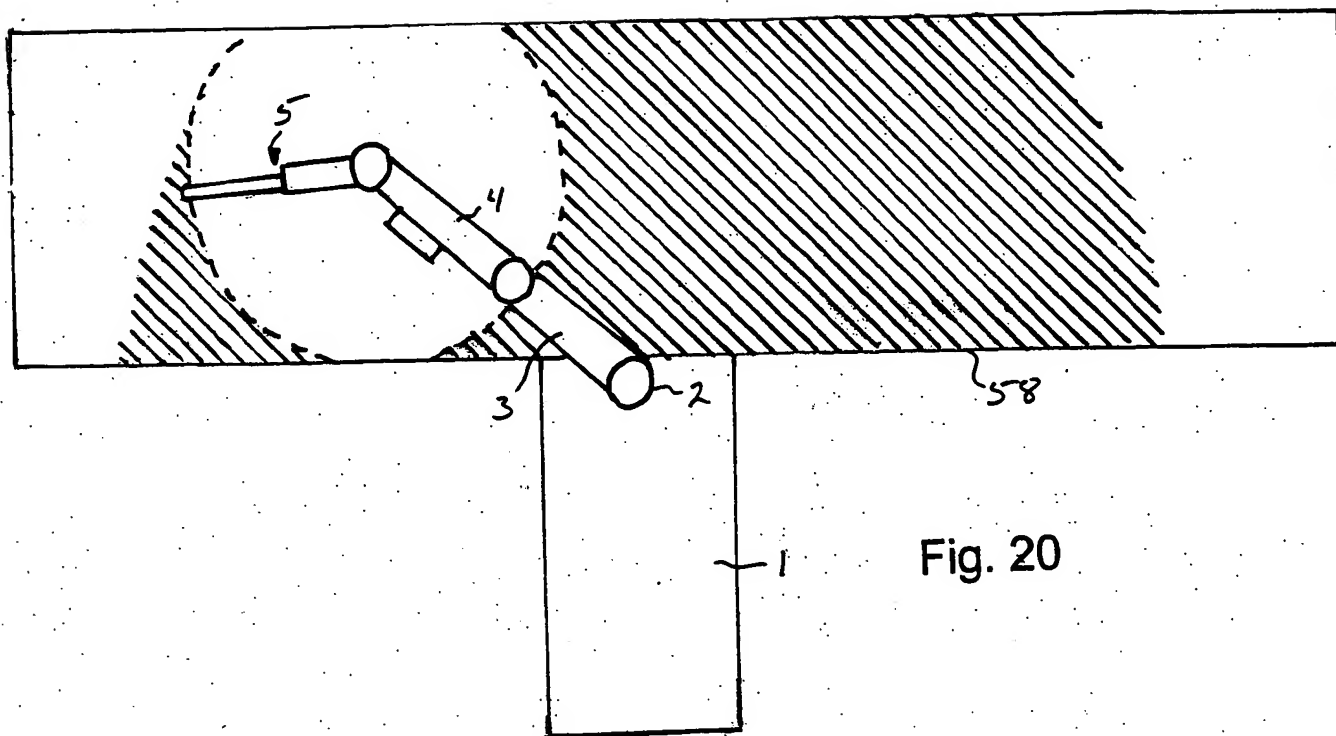


Fig. 20

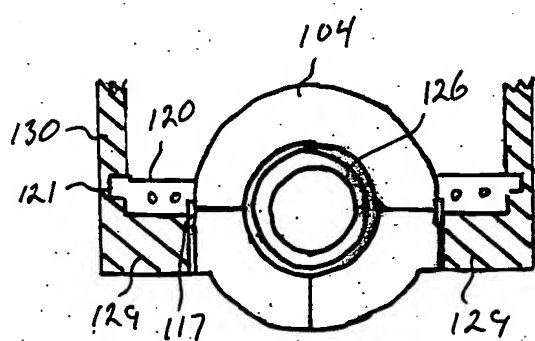


Fig. 24A

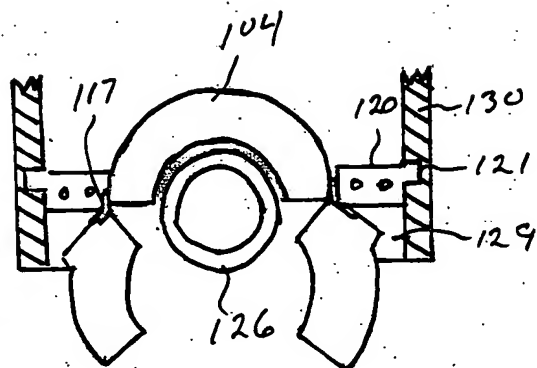


Fig. 24B

| Confidential & Proprietary Information  |                    |                       |
|---|--------------------|-----------------------|
| Applicator Action   | Transmission Drive | Procedure Step Number |
| I. Deploy Distal Balloon ("Rigid")  | c then a           | 0                     |
| II. Fully Inflate Distal Balloon  | a                  | 2                     |
| III. Translate Distal PAG Holder/Ejector  | b                  | 3                     |
| IV. Deflate Distal Balloon ("Wither")   | a                  | 4                     |
| V. Translate Lollipop   | c                  | 4                     |
| VI. Deploy Proximal Balloon ("Rigid")   | a                  | 5                     |
| VII. Fully Inflate Proximal Balloon   | a                  | 5                     |
| VIII. Translate Proximal PAG Holder/Ejector   | d                  | 5                     |
| IX. Deflate Proximal Balloon ("Wither")   | a                  | 5                     |
| X. Translate Lollipop   | c                  | 5                     |
| XI. Withdraw Lollipop   | e                  | 6                     |
| XII. Translate PAG Holder/Ejectors (PAGs "Snap")  | b then d           | 6                     |
| XIII. Translate PAG Holders (Eject PAGs)  | f                  | 7                     |
| XIV. Translate PAG Holders (Clear Restraint Bars)   | b then d           | 8                     |
| Note : Steps 1 & 9 are Performed Manually by the Surgeon. <div>Confidential &amp; Proprietary Information</div> |                    |                       |

Fig. 26 Type I Applicator Actions & Corresponding Transmission Drives

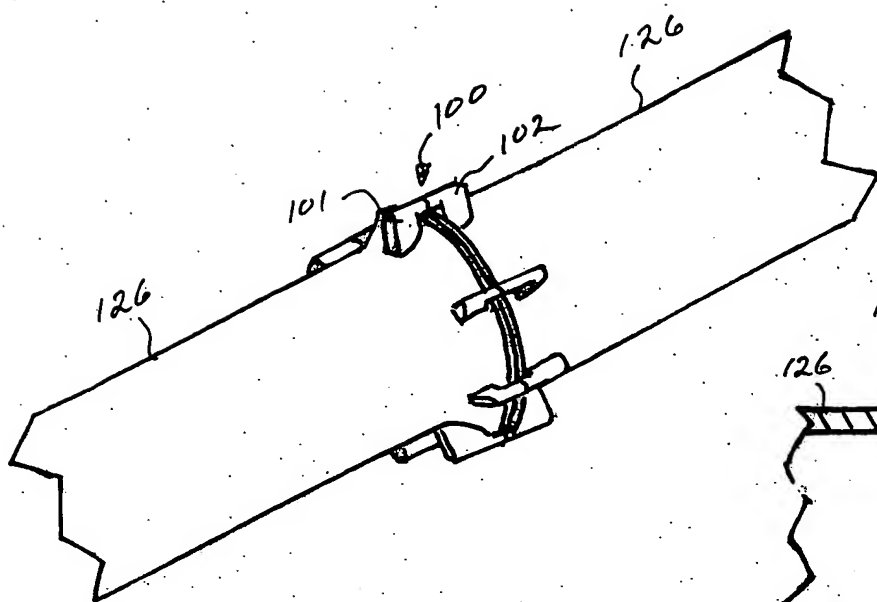


Fig. 25A

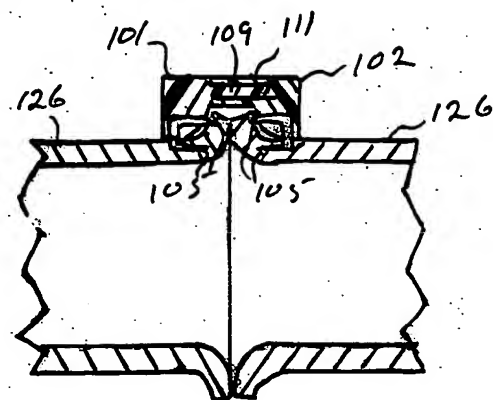


Fig. 25B

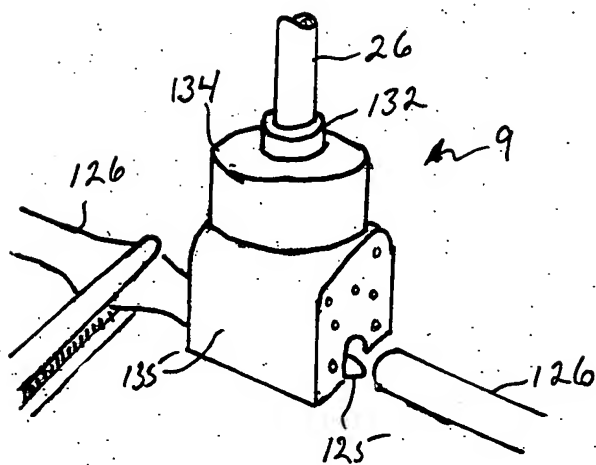


Fig. 27A

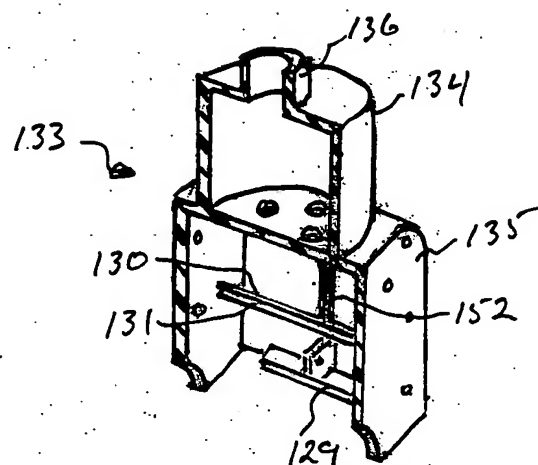


Fig. 27B

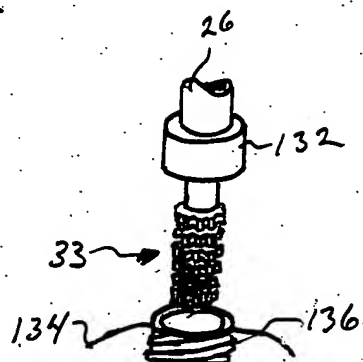


Fig. 27C

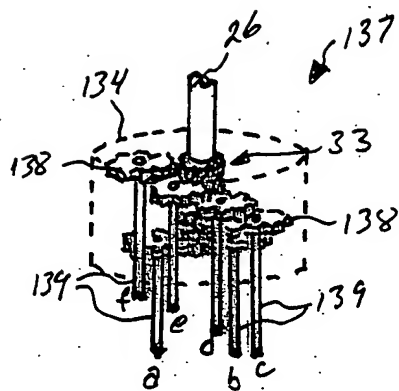


Fig. 27D

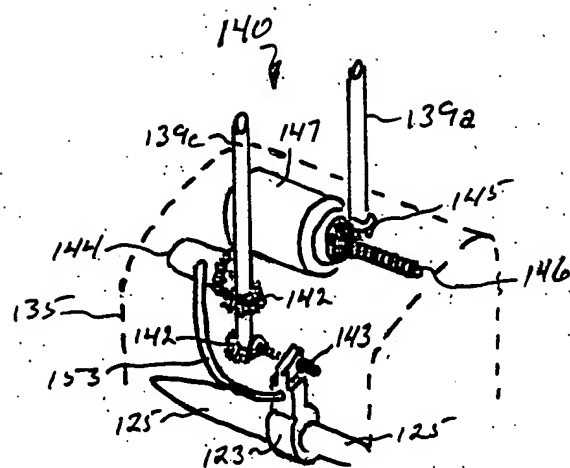


Fig. 27E

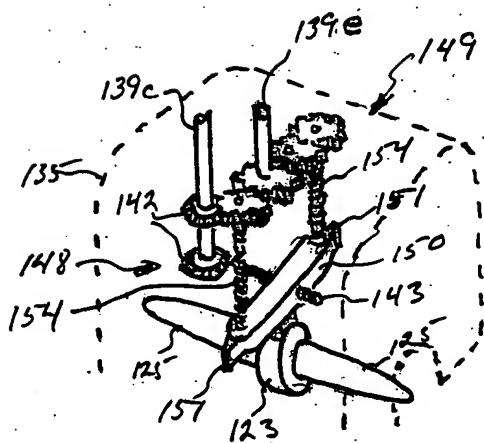


Fig. 27F

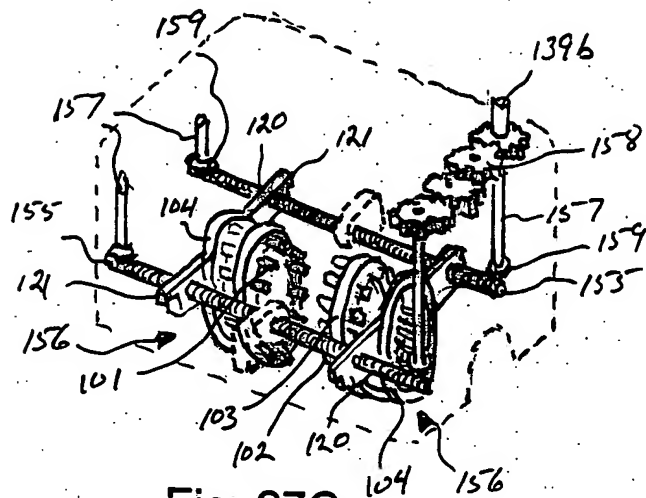


Fig. 27G

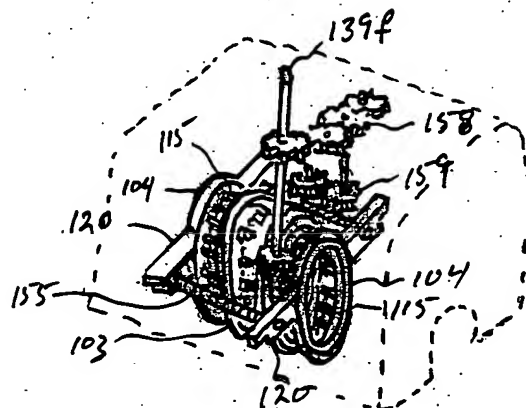


Fig. 27H

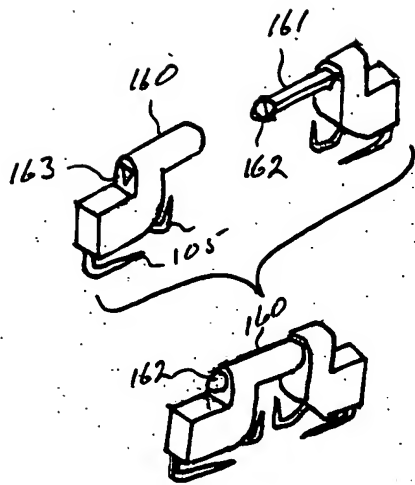


Fig. 28A

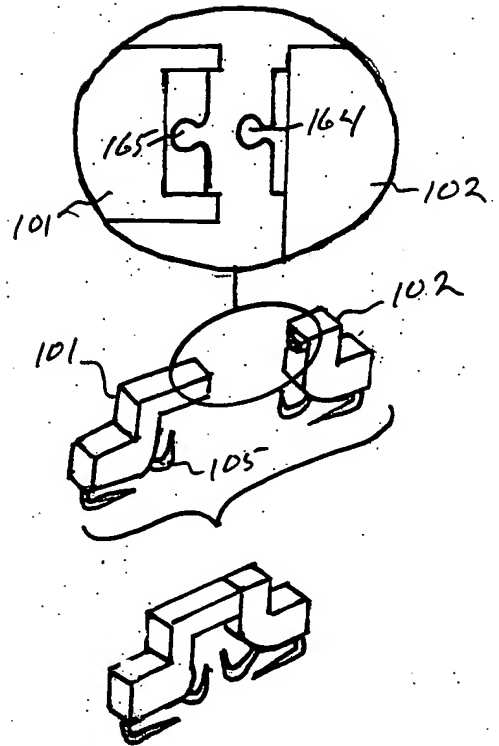


Fig. 28B

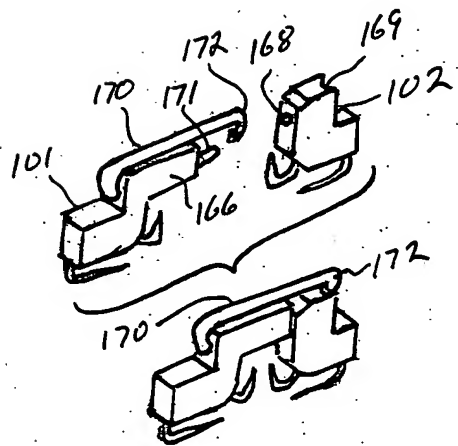


Fig. 28C

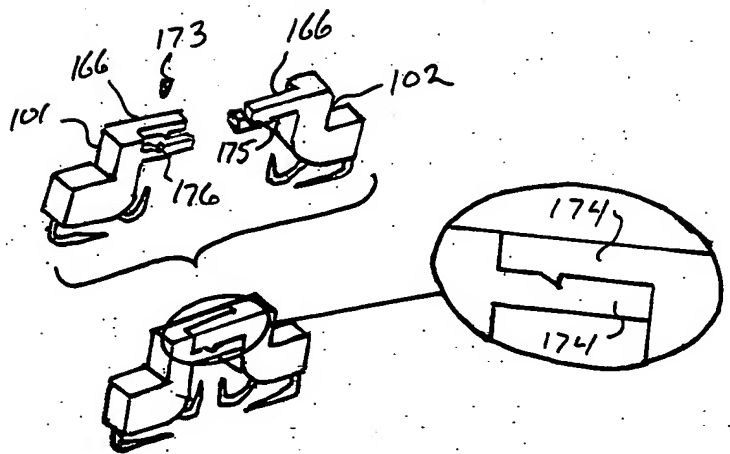


Fig. 28D

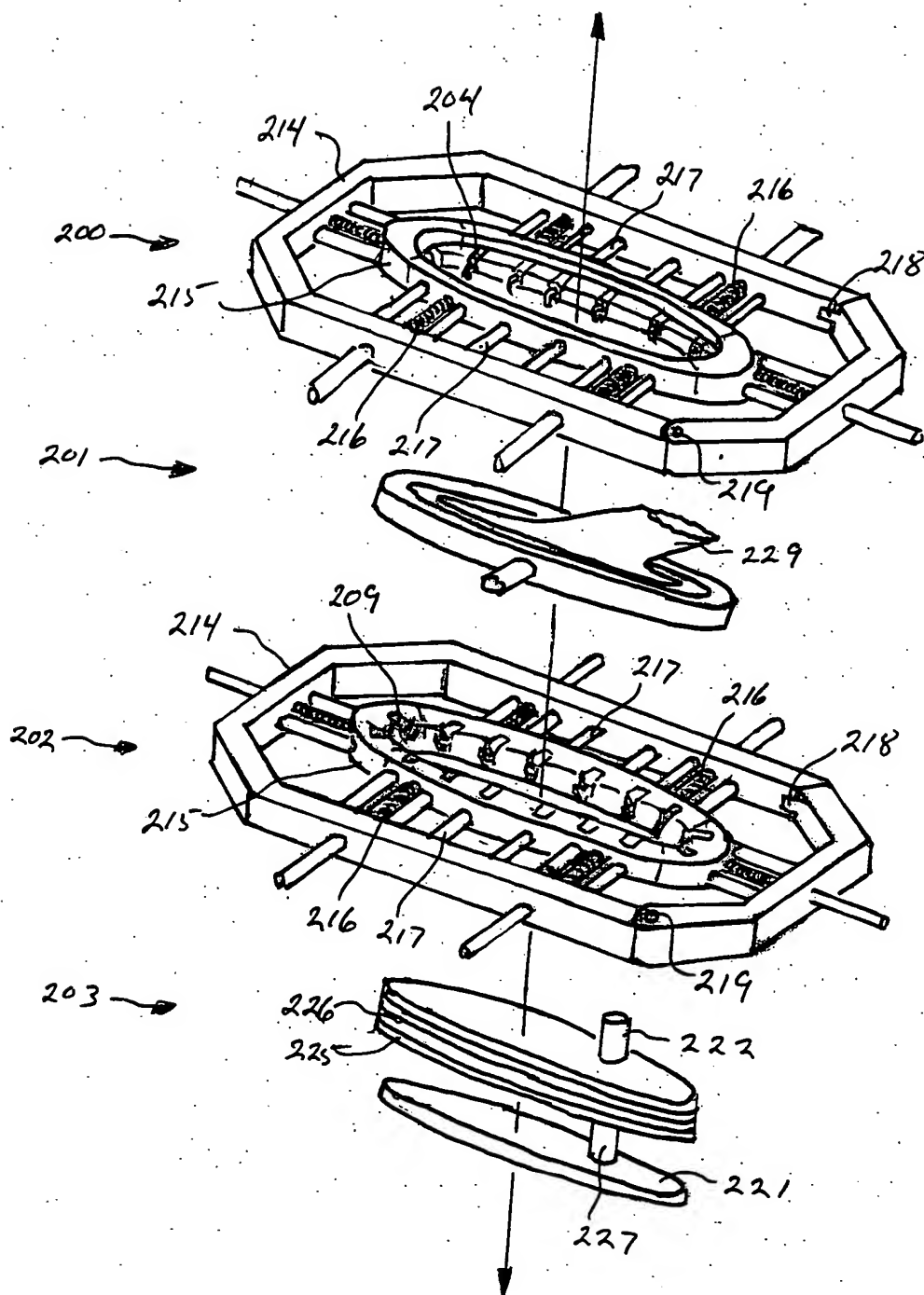


Fig. 29



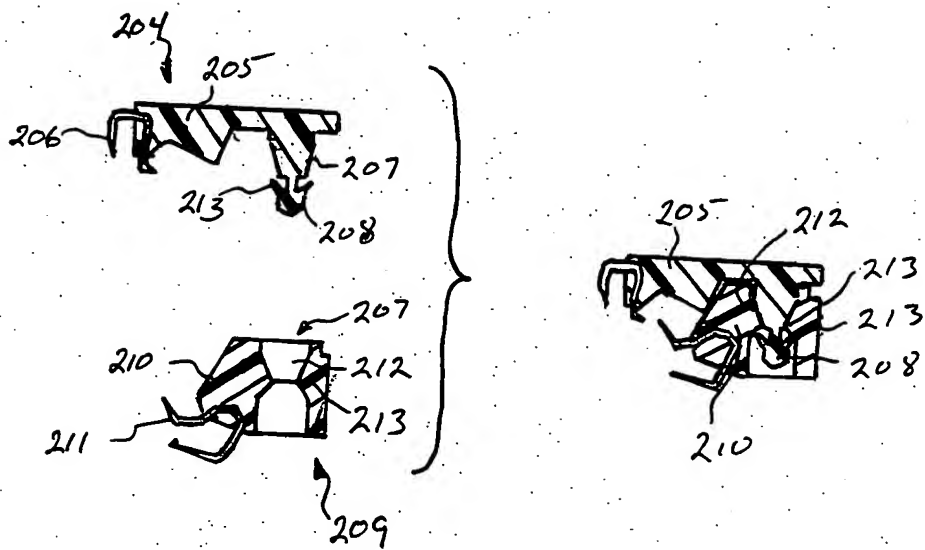


Fig. 30

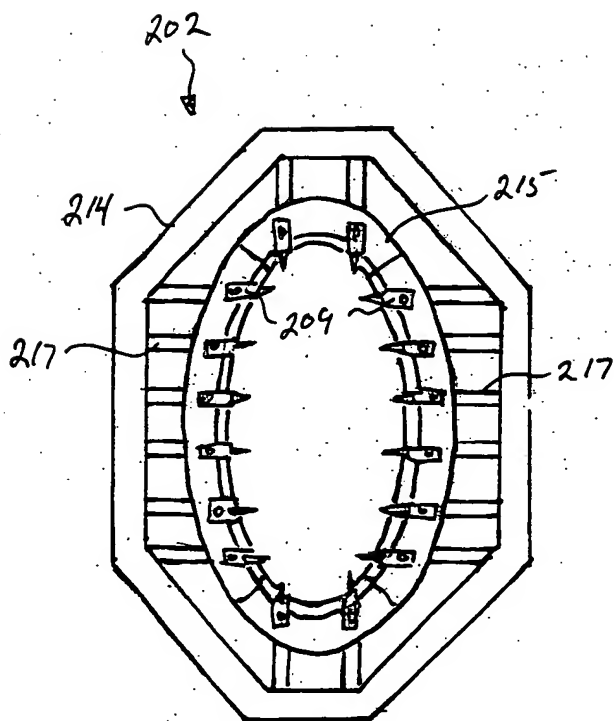


Fig. 31A

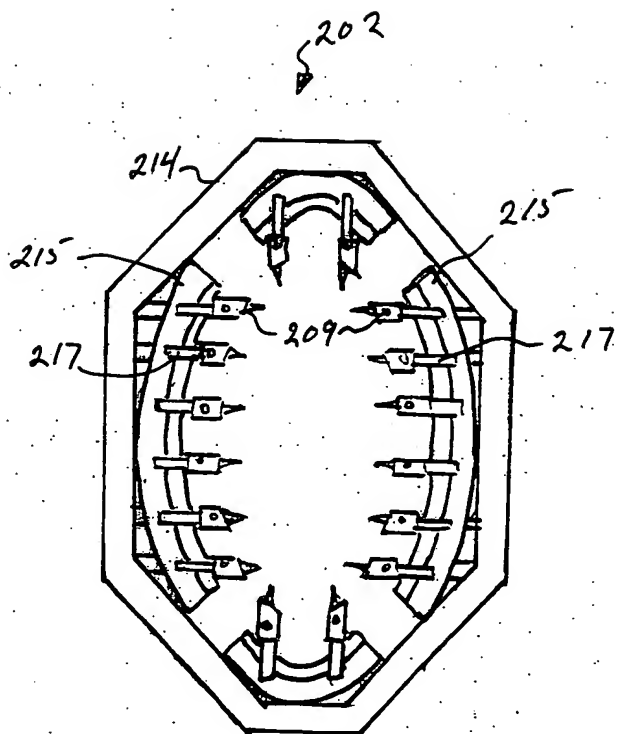


Fig. 31B

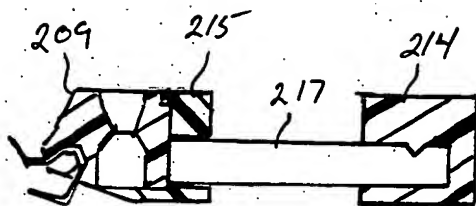


Fig. 31C

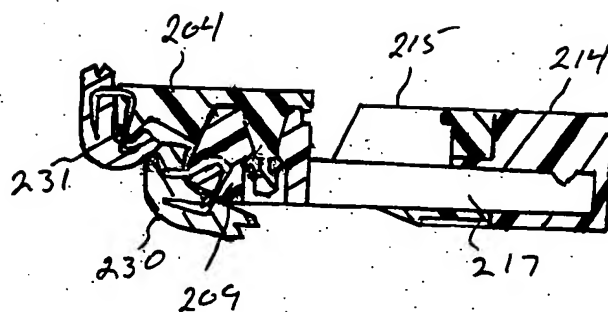


Fig. 31D

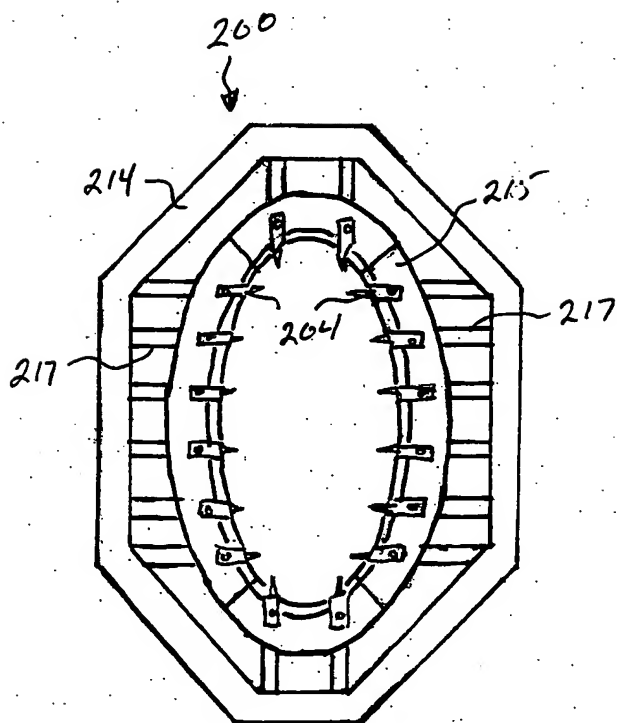


Fig. 32A

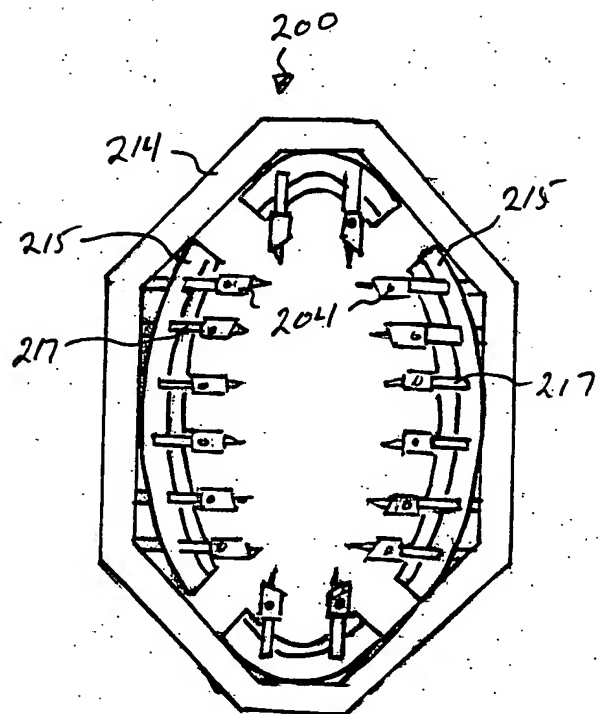


Fig. 32B

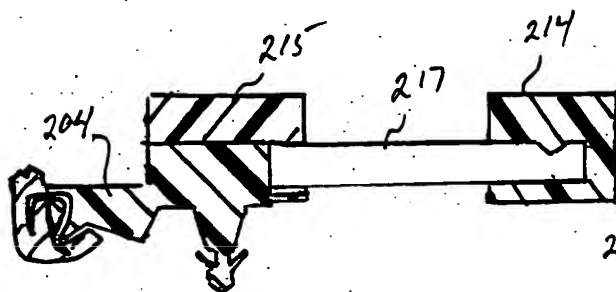


Fig. 32C

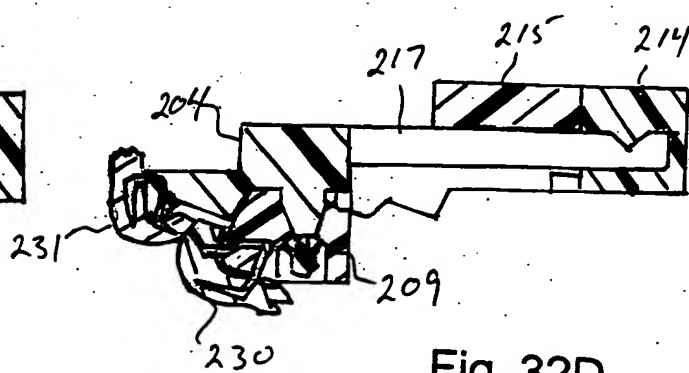


Fig. 32D

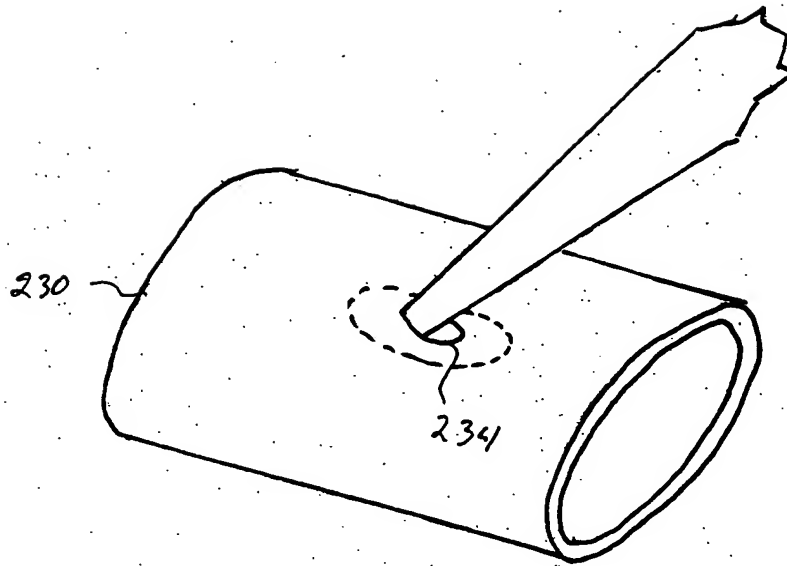


Fig. 33A

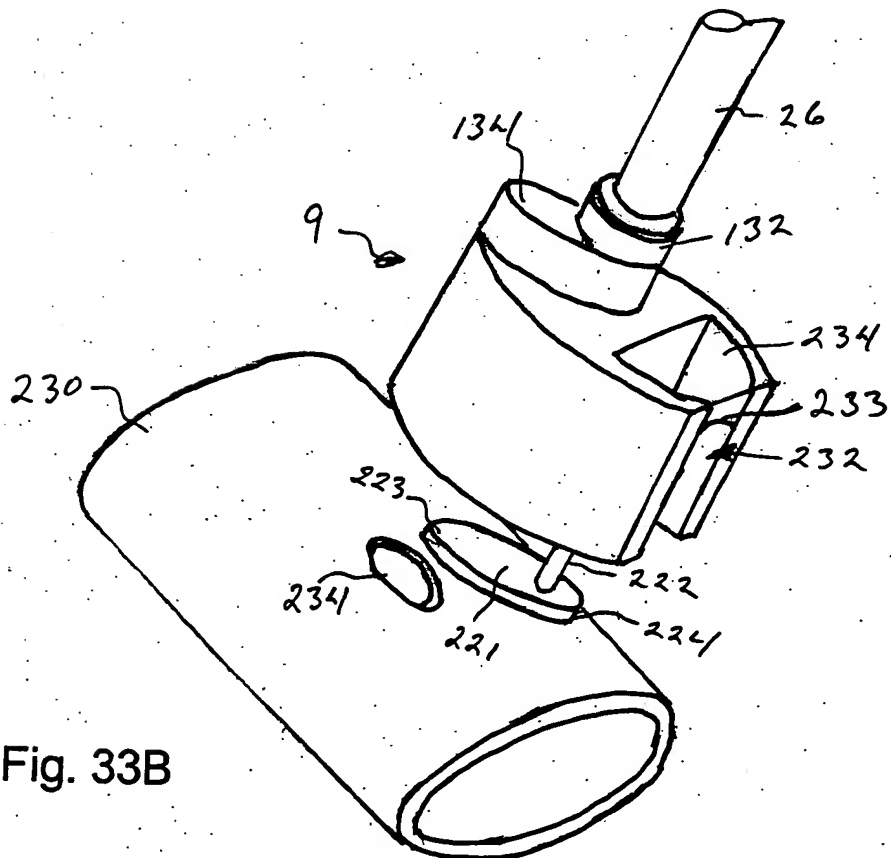


Fig. 33B

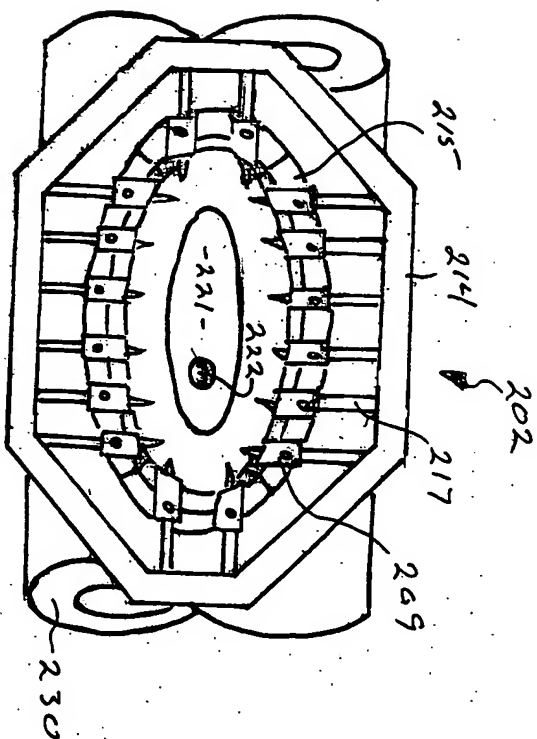


Fig. 34A

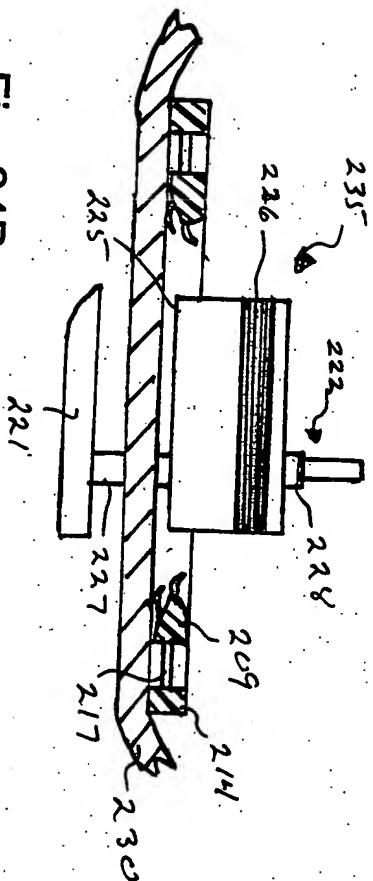


Fig. 34B

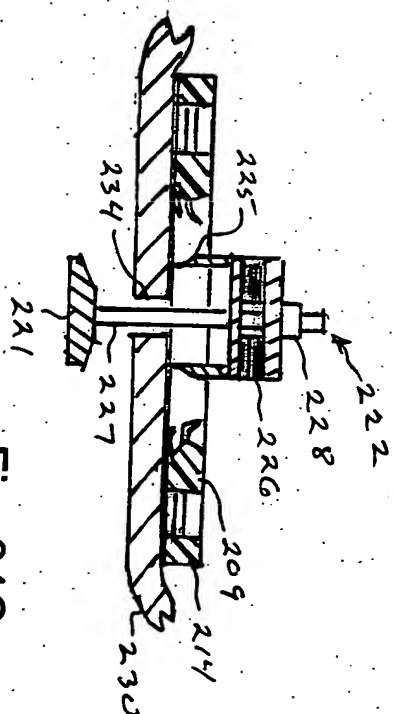


Fig. 34C

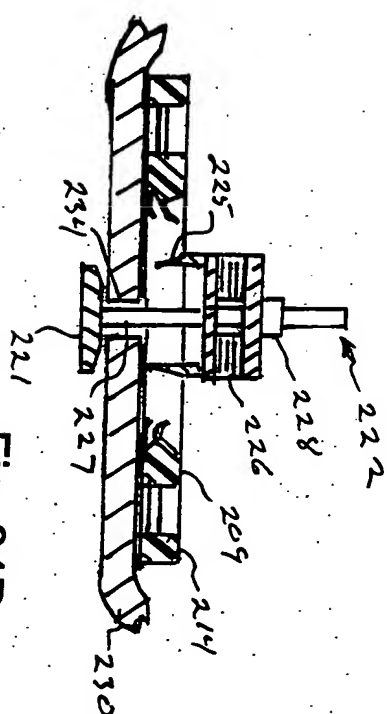


Fig. 34D

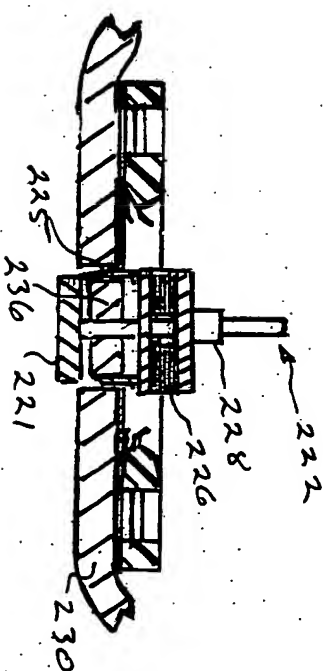


Fig. 34E

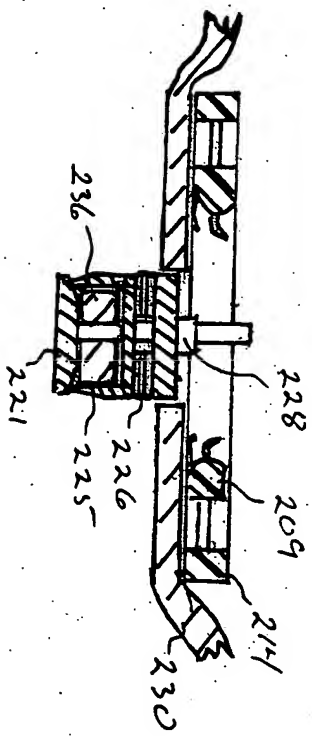


Fig. 35A

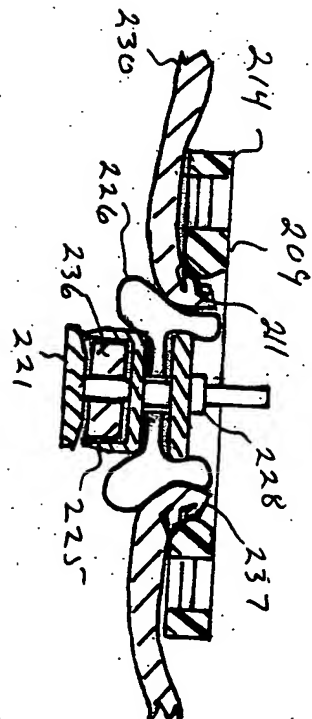


Fig. 35D

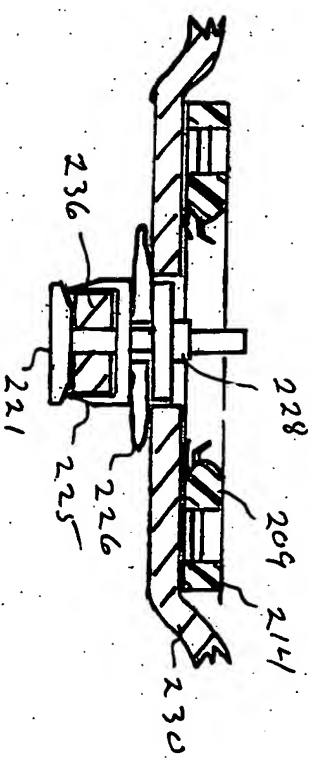


Fig. 35B

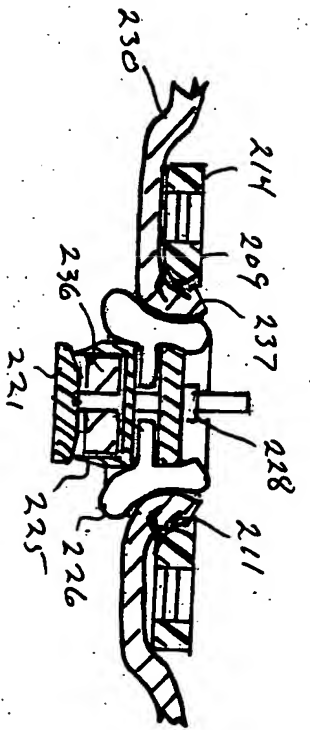


Fig. 35E

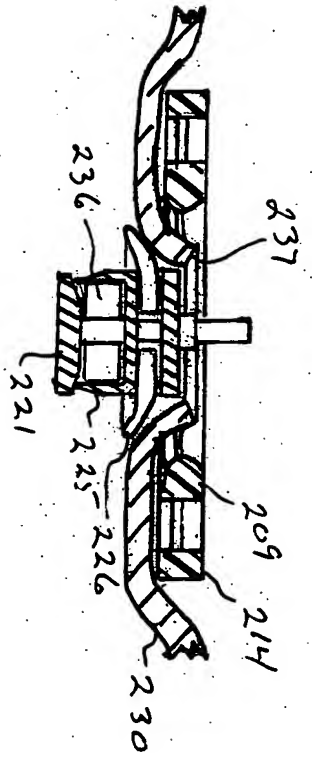


Fig. 35C

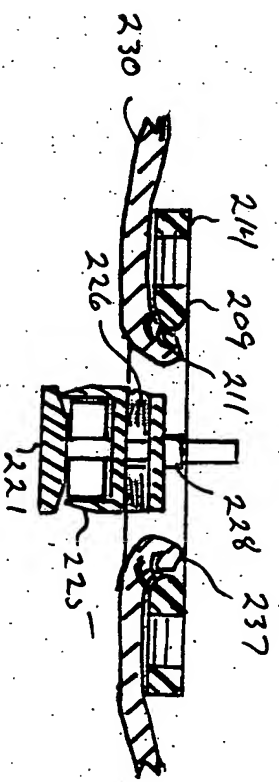


Fig. 35F

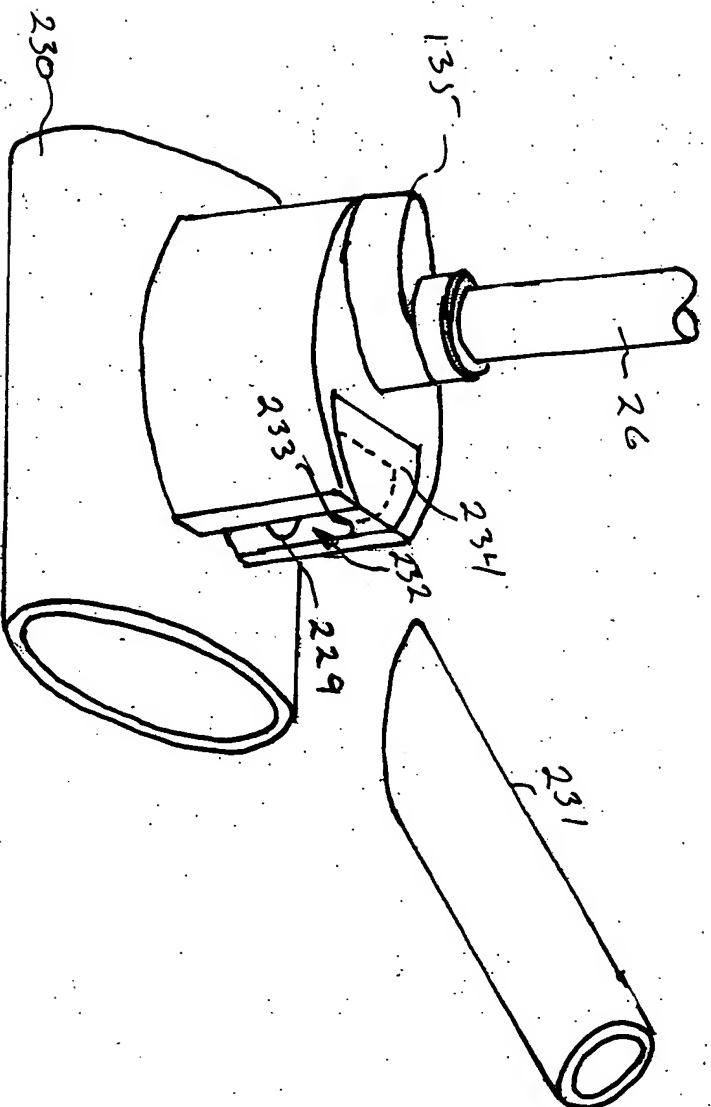


Fig. 36

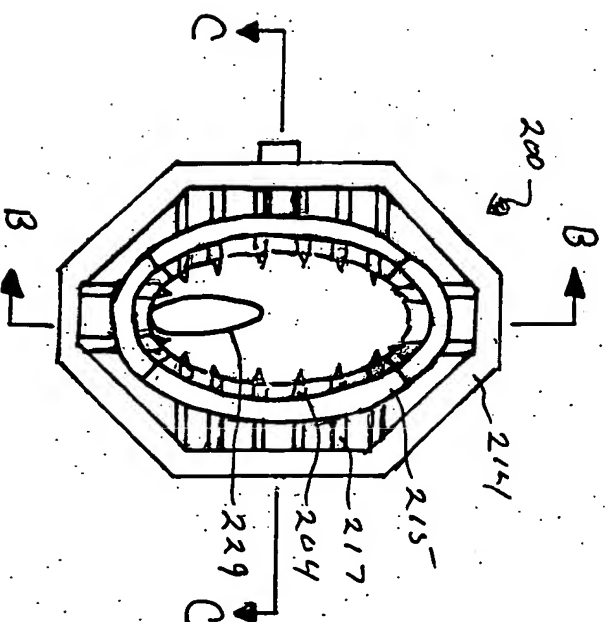


Fig. 37A

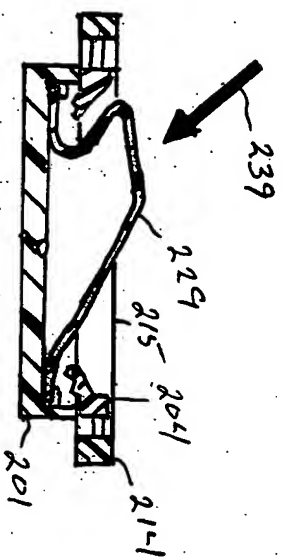


Fig. 37B

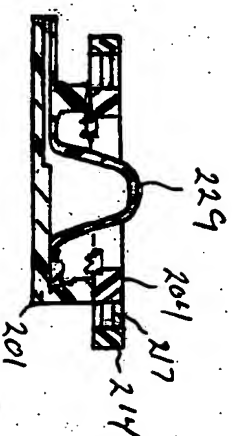


Fig. 37C

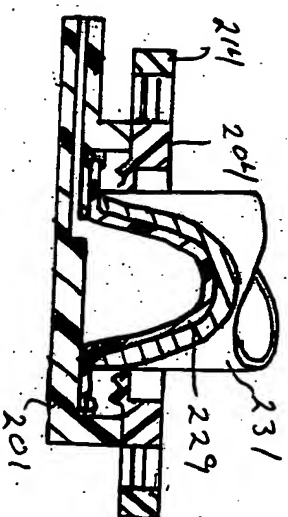


Fig. 37D

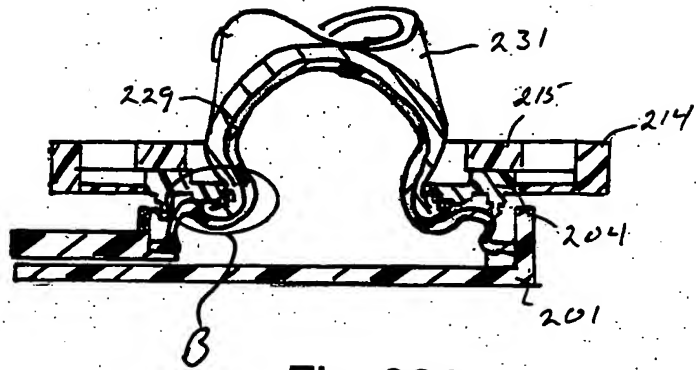


Fig. 38A

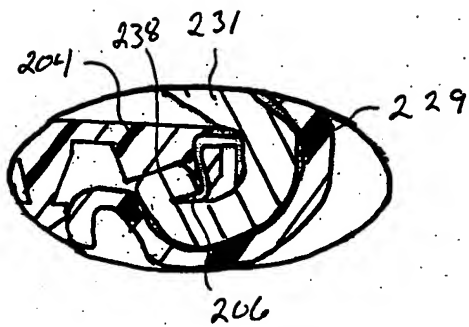


Fig. 38B

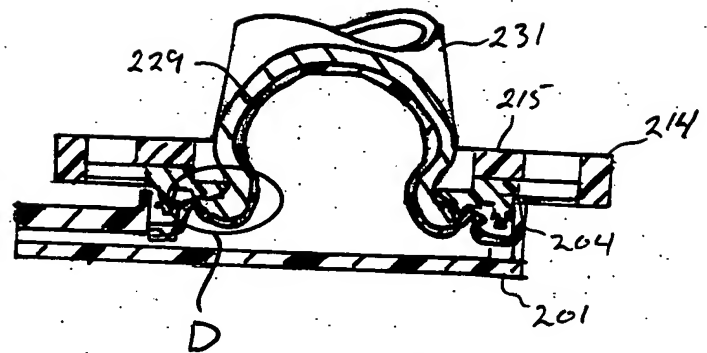


Fig. 38C

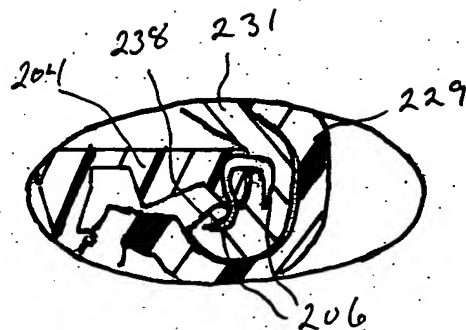


Fig. 38D

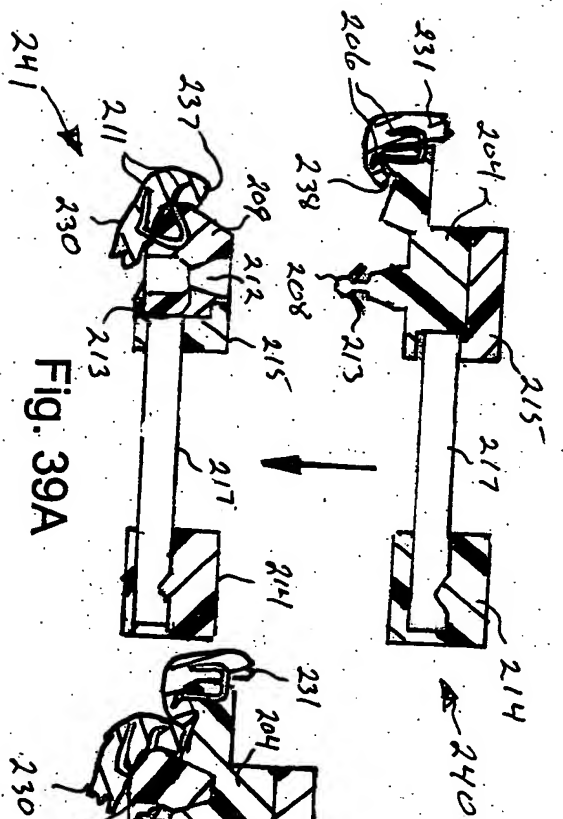


Fig. 39A

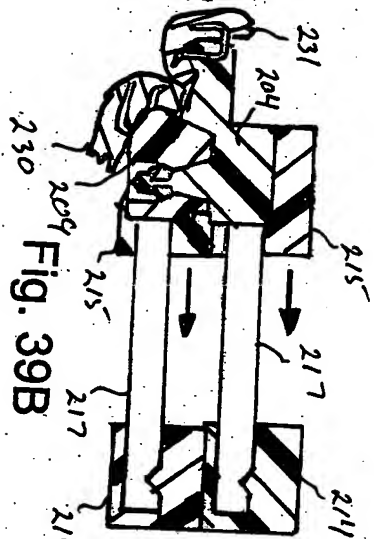


Fig. 39B

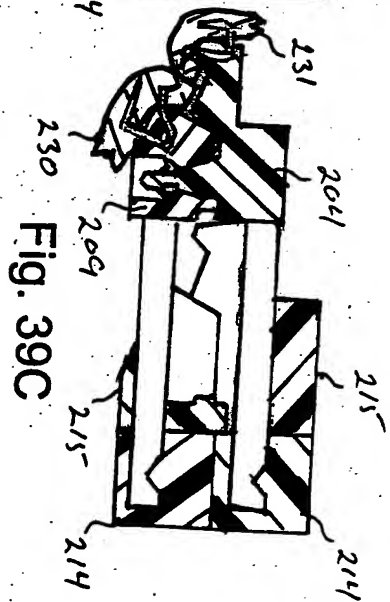


Fig. 39C

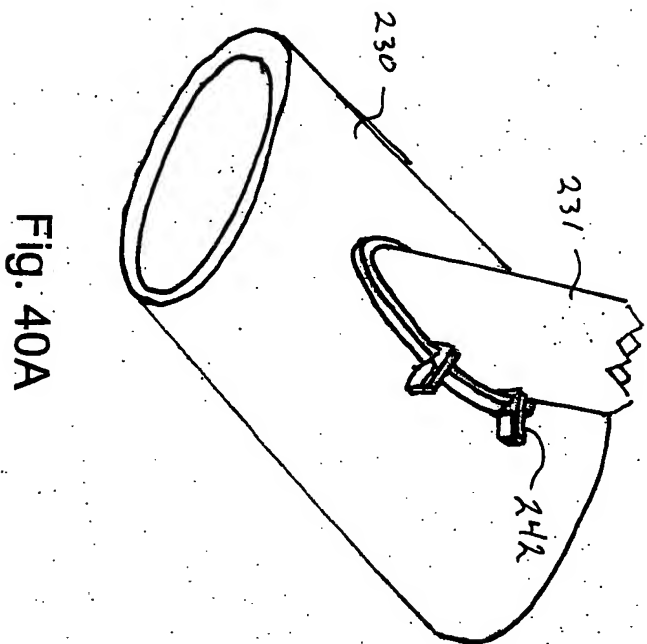


Fig. 40A

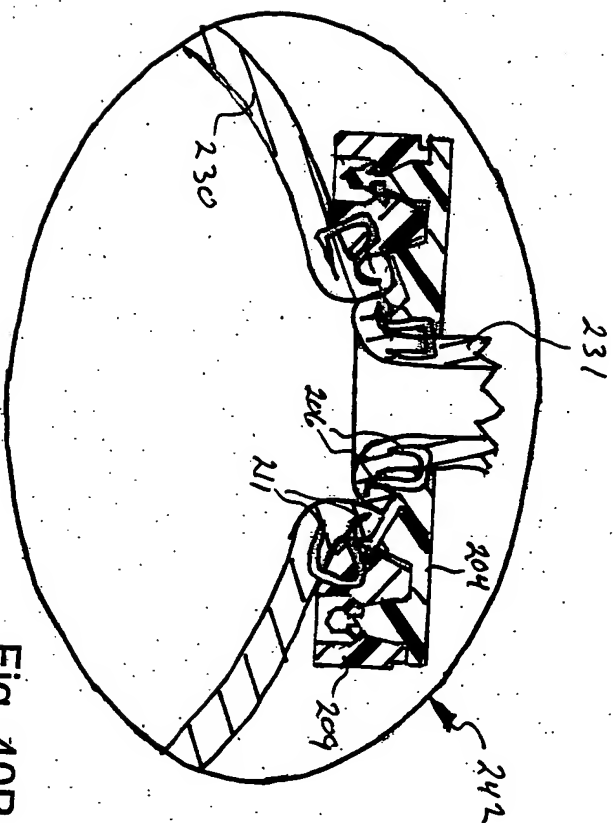


Fig. 40B



| Confidential & Proprietary Information                                |                    |                       |
|---|--------------------|-----------------------|
| Applicator Action   | Transmission Drive | Procedure Step Number |
| I. Raise Side Graft Anvil   | a                  | 5                     |
| II. Lower Side Graft Punch  | b                  | 6                     |
| III. Lower Side Graft Shoe  | a                  | 7                     |
| IV. Deploy Side & End Graft Balloons (Rigid)                          | c                  | 8                     |
| V. Raise Side Graft Shoe  | a                  | 9                     |
| VI. Fully Inflate Side Graft Balloon                                  | c                  | 10                    |
| VII. Raise Side Graft PAG Ring/Ejector Assembly                       | d                  | 11                    |
| VIII. Deflate/Wither Side Graft Balloon                               | c                  | 12                    |
| IX. Raise Side Graft Shoe   | a                  | 13                    |
| X. Retract Side Graft Shoe  | b                  | 13                    |
| XI. Deploy End Graft Balloon (Rigid)                                  | c                  | 13                    |
| XII. Fully Inflate End Graft Balloon                                  | c                  | 13                    |
| XIII. Raise End Graft Ejector Assembly                                | e                  | 15                    |
| XIV. Deflate/Wither End Graft Balloon                                 | e                  | 16                    |
| XV. Remove End Graft Ejector  | b                  | 17                    |
| XVI. Lower End Graft PAG Ring/Ejector ("Snap" to Side Graft Assembly) | e                  | 17                    |
| XVII. Retract PAG Rings (Eject PAG's)                                 | f                  | 18                    |
| XVIII. Remove Retainer Pin (open ends of Ejector Rings)               | f                  | 19                    |
|   | f                  | 20                    |

Note: Steps 0, 1, 2, 3, 4 & 14 are performed manually by the surgeon.

Confidential & Proprietary Information

## Type III Applicator Actions & Corresponding Transmission Drives

Fig. 41

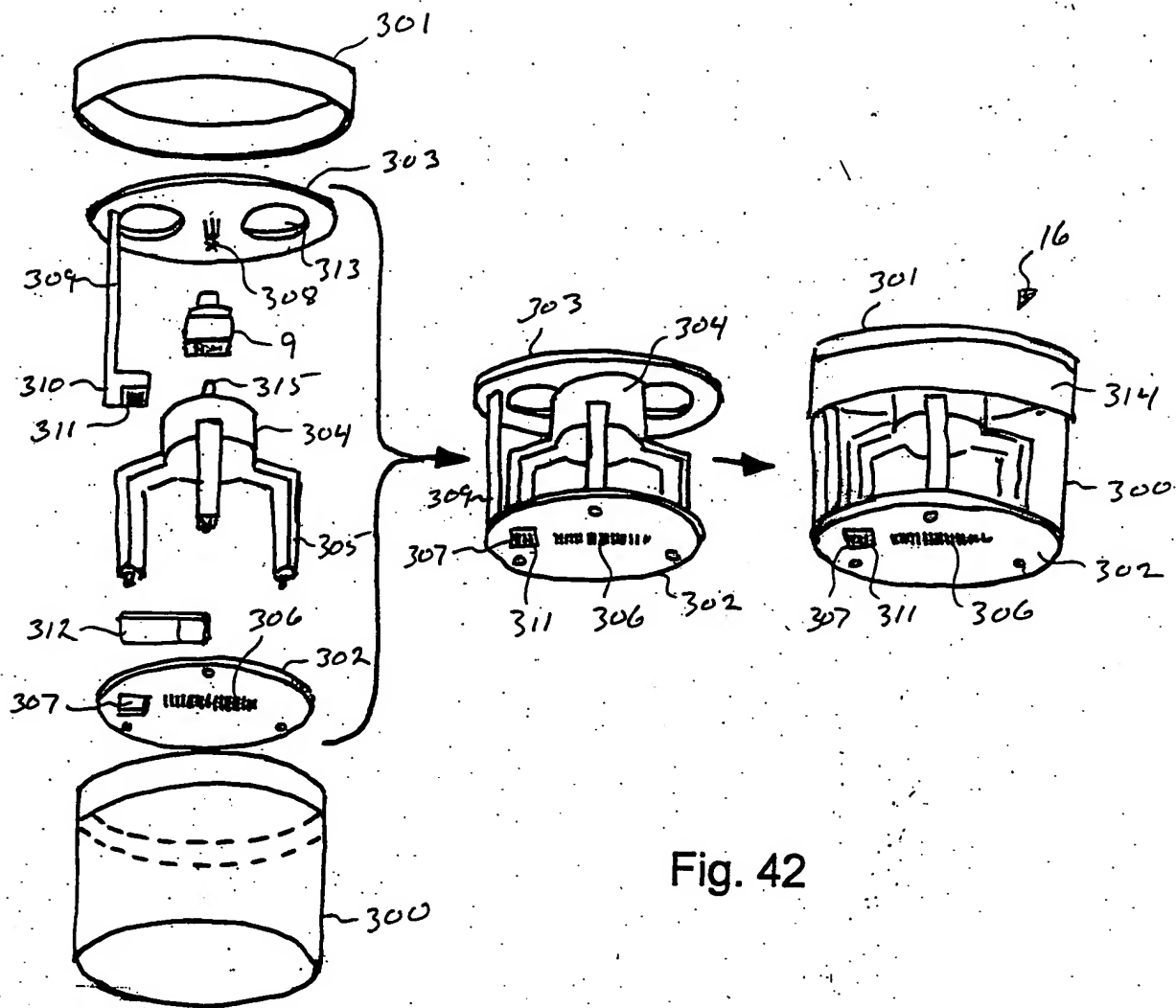


Fig. 42

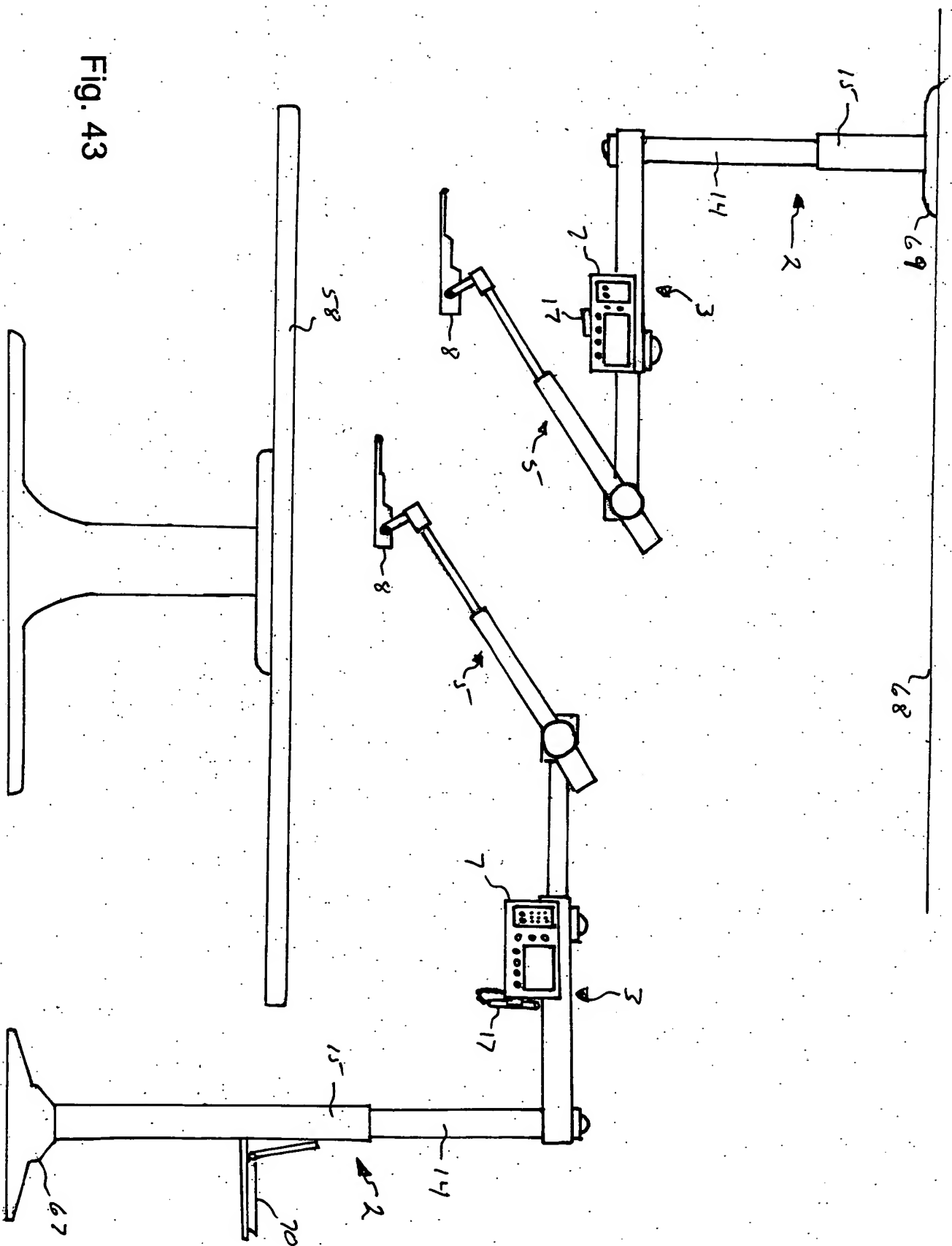


Fig. 43

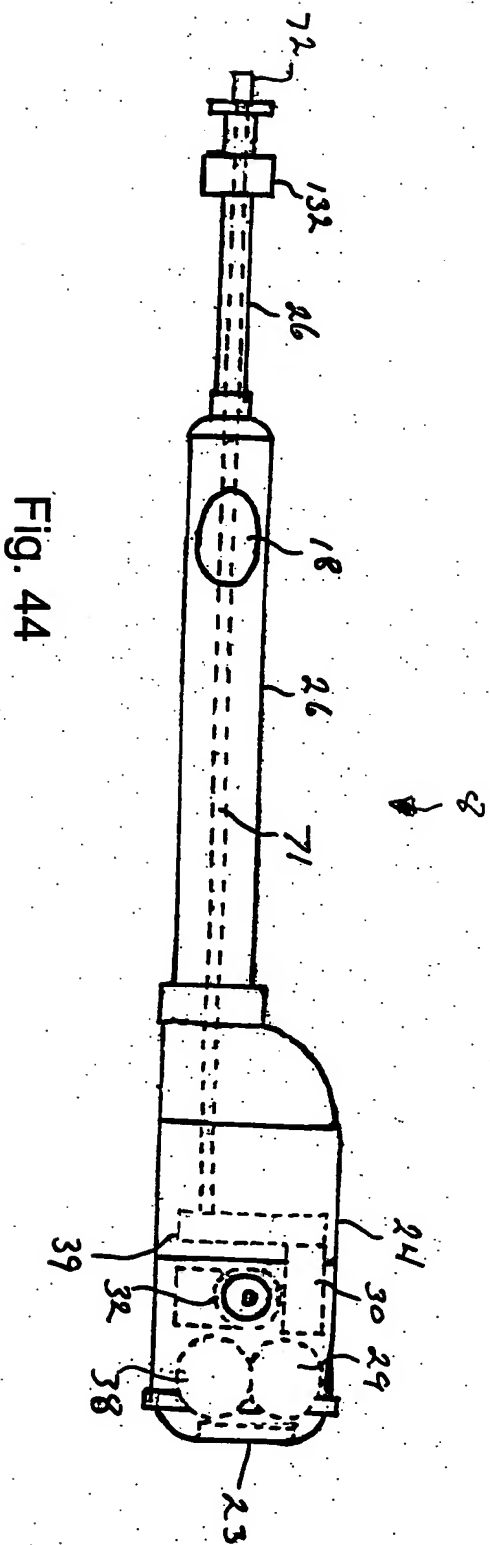


Fig. 44

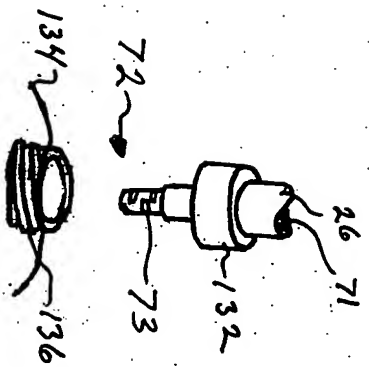


Fig. 45

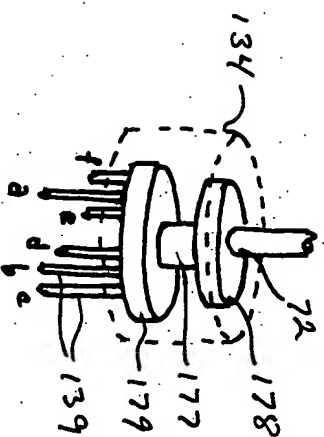


Fig. 46